

Table 2: p24

MAb ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
31 3A6	p24(1-17)	p24(122-149 BH10)	TGHSSQVSNYPVQNIQGQM-VHQAISP	no	HIV-1 infection	human(IgG ₁ κ)
References: [Buchacher (1992), Buchacher (1994)]						
<ul style="list-style-type: none"> • 3A6: The reactive peptide spans the p17/p24 border of gag [Buchacher (1994)] • 3A6: Human MAbs against HIV generated by electrofusion of PBL from HIV-1 positive volunteers with CB-F7 cells [Buchacher (1994)] 						
32 111/182	p24(1-20)	p24(134-153 IIIB)	PIVQNIQGQMVHQAI SPRTL	no	IIIB p24-β-gal fusion	murine(IgG ₁)
References: [Niedrig (1991)]						
<ul style="list-style-type: none"> • 111/182: Test specific evidence of cross-reactivity between HIV-1, HIV-2 and SIV MAC [Niedrig (1991)] 						
33 112/021	p24(1-20)	p24(134-153 IIIB)	PIVQNIQGQMVHQAI SPRTL	no	IIIB p24-β-gal fusion	murine(IgG ₁)
References: [Niedrig (1991)]						
<ul style="list-style-type: none"> • 112/021: Test specific evidence of cross-reactivity between HIV-1, HIV-2 and SIV MAC [Niedrig (1991)] 						
34 112/047	p24(1-20)	p24(134-153 IIIB)	PIVQNIQGQMVHQAI SPRTL	no	IIIB p24-β-gal fusion	murine(IgG ₁)
References: [Niedrig (1991)]						
<ul style="list-style-type: none"> • 112/047: Test specific evidence of cross-reactivity between HIV-1, HIV-2 and SIV MAC [Niedrig (1991)] 						
35 ID8F6	p24(11-25)	p24(143-157 BRU)	VHQAISPRTLNAWVK	no	Inact CBL-1	murine(IgG ₁)
Donor: R. B. Ferns and R. S. Tedder						
References: [Ferns (1987), Ferns (1989)]						
<ul style="list-style-type: none"> • ID8F6: Reacted with both p55 and p24 – showed less than 75% homologous inhibition [Ferns (1987)] • ID8F6: UK Medical Research Council AIDS reagent: ARP348 						
36 F5-2	p24(14-23)	p24(14-23 HXB2)	AISPRTLNAW	no	?	murine()
References: [Kusk (1988), Kusk (1992)]						
<ul style="list-style-type: none"> • F5-2: In HIV-1+ individuals, antibody to AISPRTLNAW is associated with CD4 T-cell decline [Kusk (1988), Kusk (1992)] 						

Table of HIV MABs

MAB ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
37 CB-13/5	p24(21–25) References: [Grunow (1990), Franke (1992), Kuttner (1992), Glaser & Hausdorff(1996)] <ul style="list-style-type: none"> • CB-13/5: It is not clear whether the MABs CD-13/5 and CB-mab-p24/13-15 are the same, but from the shared references in the primary articles they seem to be (database note) • CB-13/5: Called CB-mab-p24/13-15 – the VDJ H and VJ L regions of CB-mab-p24/13-15 were sequenced [Kuttner (1992)] • CB-13/5: Inhibits spread of HIV-1 in cell cultures [Franke (1992)] • CB-13/5: Epitope described as VHQAISPRTLNAWVK – binding not affected by bound MAb CB-4/1 [Glaser & Hausdorff(1996)] 	p24(152–156) NAWVK	NAWVK	no	?	murine(IgG ₁ κ)
38 3D3	p24(45–50) Donor: R. B. Ferns and R. S. Tedder References: [Ferns (1987), Ferns (1989)] <ul style="list-style-type: none"> • 3D3: Most broadly reactive of all the antibodies in this study[Ferns (1987)] • 3D3: UK Medical Research Council AIDS reagent: ARP314 	p24(177–182 LAI) EGATPQ	EGATPQ		Inact CBL-1	murine(IgG _{2b})
39 CD-4/1	p24(46–56) References: [Grunow (1990), Franke (1992), Franke (1992), Hohne (1993), Glaser & Hausdorff(1996), Ehrhard (1996)] <ul style="list-style-type: none"> • CD-4/1: Inhibits spread of HIV-1 in cell cultures [Franke (1992)] • CD-4/1: Affinity of CB-4/1 to native p24 is lower than to peptide or denatured p24 – proposed that the peptide binds in a loop conformation [Hohne (1993)] • CD-4/1: Unusual p24-MAB binding kinetics, with biphasic association – probably due to conformational changes in p24, not to p24 dimerization [Glaser & Hausdorff(1996)] • CD-4/1: Modification of p24 lysine residues by maleic anhydrid increased the affinity of CD-4/1, presumably due to conformational changes exposing a cryptic epitope [Ehrhard (1996)] 	p24(182–197) GATPQDLNTML	GATPQDLNTML	no	rec p24- β -galactosidase fusion protein	murine(IgG _{2a} κ)
40 15F8C7	p24(47–56) References: [Janvier (1990)] <ul style="list-style-type: none"> • 15F8C7: Mapped to aa209-217 through Pepsan method – cross-reacts with HIV-2 [Janvier (1990)] – maps to aa203-217 through EIA pentadecapeptide [Janvier (1992)] 	p24(183–197)	ATPQDLNTML	no	Purified HIV-1	murine(IgG ₁)
41 111/052	p24(51–60) References: [Niedrig (1991)] <ul style="list-style-type: none"> • 111/052: Weak cross-reaction with HIV-2 on WB, otherwise not cross-reactive with HIV-2 or SIV MAC [Niedrig (1991)] 	p24(183–192 IIIB)	DLNTMLNTVG	no	IIIB p24- β -gal fusion	murine(IgG ₁)

Table of HIV MAbs

MAb ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
42 91-5	p24(64-75) References: [Gorny (1989), Tyler (1990), Robinson (1990b), Gorny (1998)] • 91-5: Synthesized by immortalization of peripheral blood cells with Epstein-Barr virus [Gorny (1989)] • 91-5: Did not enhance HIV-1 IIIB infection [Robinson (1990b)] • 91-5: NIH AIDS Research and Reference Reagent Program: 1238	p24(196-207)	AAMQMLKETINE	no	HIV-1 infection	human(IgG ₁ λ)
43 47-2	p24(69-86) References: [Robert-Hebmann (1992b), Robert-Hebmann (1992a)]	p24(201-218 BRU)	LKETINEEAAEWDVRVHPV	no	BRU	murine(IgG)
44 714/01	p24(69-86) References: [Robert-Hebmann (1992b), Robert-Hebmann (1992a)]	p24(201-218 BRU)	LKETINEEAAEWDVRVHPV	no	IIIB virus	murine(IgG)
45 1109/01	p24(69-86) References: [Robert-Hebmann (1992b), Robert-Hebmann (1992a)]	p24(201-218 BRU)	LKETINEEAAEWDVRVHPV	no	IIIB virus	murine(IgG)
46 1G5C8	p24(69-86) References: [Janvier (1990), Robert-Hebmann (1992b), Robert-Hebmann (1992a)] • 1G5C8: Mapped to aa209-217 through Pepsan method (original paper, AAEWDRVHP) [Janvier (1990)] – and to aa203-217 through EIA pentadecapeptide [Janvier (1992)]	p24(201-218 BRU)	LKETINEEAAEWDVRVHPV	no	HIV-1 p24	murine(IgG _{2b})
47 14D4E11	p24(69-86) References: [Janvier (1990), Robert-Hebmann (1992b), Robert-Hebmann (1992a)] • 14D4E11: Mapped to aa209-217 through Pepsan method (original paper, AAEWDRVHP) – cross-reacts with HIV-2 [Janvier (1990)] – and to aa203-217 through EIA pentadecapeptide [Janvier (1992)]	p24(201-218 BRU)	LKETINEEAAEWDVRVHPV	no	Purified HIV-1	murine(IgG ₁)
48 113/038	p24(71-81) References: [Niedrig (1991)] • 113/038: cross-reactive between HIV-1, HIV-2 and SIV MAC by multiple assays [Niedrig (1991)]	p24(203-213 IIIB)	ETINEEAAEWD	no	IIIB p24- β -gal fusion	murine(IgG ₁)
49 111/073	p24(71-81) References: [Niedrig (1991)] • 111/073: cross-reactive between HIV-1, HIV-2 and SIV MAC by multiple assays [Niedrig (1991)]	p24(203-213 IIIB)	ETINEEAAEWD	no	IIIB p24- β -gal fusion	murine(IgG ₁)

Table of HIV MAbs

MAb ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
50 1-E-4	p24(71-85) References: [Niedrig (1989)] • 1-E-4: One of nine MAbs that bind to this peptide [Niedrig (1989)]	p24(203-217)	ETINEEAAEWDVHP	no	IIIB virus	murine(IgG)
51 1-E-9	p24(71-85) References: [Niedrig (1989)] • 1-E-9: One of nine MAbs that bind to this peptide [Niedrig (1989)]	p24(203-217)	ETINEEAAEWDVHP	no	IIIB virus	murine(IgG)
52 2-E-4	p24(71-85) References: [Niedrig (1988), Niedrig (1989)] • 2-E-4: Cross reactive between HIV-1, HIV-2 and SIV by ELISA, HIV-1 and HIV-2 by WB [Niedrig (1988)] • 2-E-4: One of nine MAbs that bind to this peptide – cross-reactive with HIV-2 ROD [Niedrig (1989)]	p24(203-217)	ETINEEAAEWDVHP	no	IIIB virus	murine(IgG _{2a})
53 2-H-4	p24(71-85) References: [Niedrig (1988), Niedrig (1989)] • 2-H-4: Cross reactive between HIV-1, HIV-2 and SIV by ELISA, HIV-1 and HIV-2 by WB [Niedrig (1988)] • 2-H-4: One of nine MAbs that bind to this peptide – cross-reactive with HIV-2 ROD [Niedrig (1989)]	p24(203-217)	ETINEEAAEWDVHP	no	IIIB virus	murine(IgG ₁)
54 8-D-2	p24(71-85) References: [Niedrig (1989), Robert-Hebmann (1992b), Robert-Hebmann (1992a)] • 8-D-2: HIV-1 specific [Niedrig (1988)] • 8-D-2: One of nine MAbs that bind to this peptide [Niedrig (1989)]	p24(203-217)	ETINEEAAEWDVHP	no	IIIB virus	murine(IgG _{2a})
55 8-H-7	p24(71-85) References: [Niedrig (1988), Niedrig (1989), Robert-Hebmann (1992b), Robert-Hebmann (1992a)] • 8-H-7: One of nine MAbs that bind to this peptide [Niedrig (1989)]	p24(203-217)	ETINEEAAEWDVHP	no	IIIB virus	murine(IgG ₃)
56 8-G-9	p24(71-85) References: [Niedrig (1989)] • 8-G-9: One of nine MAbs that bind to this peptide [Niedrig (1989)]	p24(203-217)	ETINEEAAEWDVHP	no	IIIB virus	murine(IgG)

Table of HIV MAbs

MAb ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
57 10-E-7	p24(71-85) References: [Niedrig (1988), Niedrig (1989)] • 10-E-7: Cross reactive between HIV-1, HIV-2 and SIV [Niedrig (1988)] • 10-E-7: One of nine MAbs that bind to this peptide – cross-reactive with HIV-2 ROD and SIV MAC [Niedrig (1989)]	p24(203-217)	ETINEEAAEWDVRVHP	no	III B virus	murine(IgG ₁)
58 10-G-9	p24(71-85) References: [Niedrig (1988), Niedrig (1989)] • 10-G-9: HIV-1 specific [Niedrig (1988)] • 10-G-9: One of nine MAbs that bind to this peptide [Niedrig (1989)]	p24(203-217)	ETINEEAAEWDVRVHP	no	III B virus	murine(IgG ₁)
59 11-C-5	p24(71-85) References: [Niedrig (1988), Niedrig (1989)] • 11-C-5: HIV-1 specific [Niedrig (1988)] • 11-C-5: One of nine MAbs that bind to this peptide [Niedrig (1989)]	p24(203-217)	ETINEEAAEWDVRVHP	no	III B virus	murine(IgG ₁)
60 C5123	p24(71-85) References: [Hinkula (1990)] • C5123: Epitope defined by peptide blocking of binding to native protein – WB reactive with p53 and p24 [Hinkula (1990)]	p24(203-217 HXB2)	ETINEEAAEWDVRVHP	no	Inact HIV lysate	murine(IgG ₁ ;κ)
61 1-B-7	p24(76-85) References: [Niedrig (1988), Niedrig (1989)] • 1-B-7: Reacts with two overlapping peptides, region of overlap is given – reacted with HIV-2 and SIV MAC [Niedrig (1989)]	p24(208-217 BH10)	EAAEWDVRVHP	no	III B	murine(IgG ₁)
62 3-B-7	p24(76-85) References: [Niedrig (1988), Niedrig (1989)] • 3-B-7: Reacts with two overlapping peptides, region of overlap is given – reacted with HIV-2 [Niedrig (1989)]	p24(208-217 BH10)	EAAEWDVRVHP	no	III B	murine(IgG ₁)
63 6-D-12	p24(76-85) References: [Niedrig (1988), Niedrig (1989)] • 6-D-12: Reacts with two overlapping peptides, region of overlap is given – reacted with HIV-2 [Niedrig (1989)]	p24(208-217 BH10)	EAAEWDVRVHP	no	III B	murine(IgG ₁)
64 6-E-7	p24(76-85) References: [Niedrig (1988), Niedrig (1989)] • 6-E-7: Reacts with two overlapping peptides, region of overlap is given – reacted with HIV-2 and SIV MAC [Niedrig (1989)]	p24(208-217 BH10)	EAAEWDVRVHP	no	III B	murine(IgG ₁)

Table of HIV MAbs

MAb ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
65 8-D-5	p24(76-85) References: [Niedrig (1988), Niedrig (1989)] • 8-D-5: Reacts with two overlapping peptides, region of overlap is given – bound only HIV-1 [Niedrig (1989)]	p24(208-217 BH10)	EAAEWDVRVHP	no	IIIB	murine(IgG)
66 FF1	p24(76-90) References: [Hinkula (1990)] • FF1: Epitope defined by peptide blocking of binding to native protein – WB reactive with p53 and p24 [Hinkula (1990)]	p24(208-222 HXB2)	EAAEWDVRVHPVHAGP	no	Inact HIV	murine(IgG ₁ κ)
67 113/072	p24(81-90) References: [Niedrig (1991)] • 113/072: Weak cross-reaction with HIV-2 on WB, otherwise not cross-reactive with HIV-2 or SIV MAC [Niedrig (1991)]	p24(213-222 IIIB)	DRVHPVHAGP	no	IIIB p24-β-gal fusion	murine(IgG ₁)
68 25.3	p24(82-102) References: [Momány (1996)] • 25.3: Crystal structure of the CA protein bound to Fab 25.3 was solved – monomers form 7 α-helices arranged in a coiled-coil – Fab binds to a long antigenic peptide that separates the longest helices, with a salt bridge at CA 82 R, and interactions as far away as positions 100 and 102 [Momány (1996)]	p24(82-102)	RVHPVHAGPIAPGQMREPRGS	no		murine(IgG ₁ κ)
69 13-102-100	p24(86-97) Donor: Advanced Technologies, Inc., Columbia, MD References: [Parker (1996), Qian & Tomer(1998)] • 13-102-100: Binding site (HPVHAGPIAPG) defined by epitope footprinting – first binding p24 to MAb, then allowing proteolytic cleavage to take place to cleave unprotected residues, then performing mass spectrometry to identify protected residues of epitope [Parker (1996)] • 13-102-100: Affinity capillary electrophoresis was used to fine map this epitope, and the optimal peptide was defined as VHAGPIAPGIAP – this method uses migration time shifts to probe relative affinities of Abs – the antibody binds to the cyclophilin A binding domain [Qian & Tomer(1998)]	p24(102-112 IIIB)	HPVHAGPIAPG			murine(IgG)
70 RL4.72.1	p24(87-101) References: [Tatsumi (1990), Robert-Hebmann (1992b), Robert-Hebmann (1992a)] • RL4.72.1: Immunized with inactivated HIV NDK, D clade, reacts with B clade peptide [Robert-Hebmann (1992a)]	p24(219-233 BRU)	HAGPIAPGQMREPRG	no	NDK	murine(IgG)

Table of HIV MAbs

MAb ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
71 406/01	p24(101-121) References: [Robert-Hebmann (1992b), Robert-Hebmann (1992a)]	p24(233-253 BRU)	GSDIAGTSTLQEQIGWMTNN	no	IIIB	murine(IgG)
72 38:9.6K	p24(121-130) References: [Hinkula (1990)] • 38:9.6K: Called 38:96K - epitope defined by peptide blocking of binding to native protein - WB reactive with p53 and p24 [Hinkula (1990)] • 38:9.6K: UK Medical Research Council AIDS reagent: ARP365	p24(253-262 HXB2)	NPPIPVGEIY	no	rec p24-15	murine(IgG ₁ κ)
73 EB1A9	p24(121-135) Donor: R. B. Ferns and R. S. Tedder References: [Ferns (1987), Ferns (1989)] • EB1A9: Reacted with both p55 and p24 - showed less than 75% homologous inhibition [Ferns (1987)] • EB1A9: UK Medical Research Council AIDS reagent: ARP345	p24(253-267 LAI)	NPPIPVGEIYKRWII		Inact CBL-1	murine(IgG ₁)
74 EF7	p24(141-170) References: [Hinkula (1990), Lundin (1996)] • EF7: Epitope defined by peptide blocking of binding to native protein - WB reactive with p53 [Hinkula (1990)] • EF7: Included as a control [Lundin (1996)] • EF7: UK Medical Research Council AIDS reagent: ARP366	p24(273-302 HXB2)	IVRMYSPSILDIRQGPKEPF-RDYVDRFYK		rec p24-15	murine(IgG ₁ κ)
75 30:3E5	p24(141-170) Donor: B. Wahren References: [Hinkula (1990)] • 30:3E5: Epitope defined by peptide blocking of binding to native protein - WB reactive with p53 and p24 [Hinkula (1990)] • 30:3E5: UK Medical Research Council AIDS reagent: ARP367	p24(273-302 HXB2)	IVRMYSPSILDIRQGPKEPF-RDYVDRFYK		rec p24-15	murine(IgG ₁ λ)
76 LH-104-E	p24(143-148) References: [Haasheim (1991)] • LH-104-E: Reacts with both p24 and p55 [Haasheim (1991)] • LH-104-E: UK Medical Research Council AIDS reagent: ARP319	p24(275-280 BRU)	RMYSPT	no	Peptide	murine(IgG ₁ κ)

Table of HIV MAbs

MAb ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
77 1B2C12	p24(149-154) References: [Janvier (1990)] • 1B2C12: Reacts with HIV-1 and HIV-2 – mapped to aa281-286 through Pepsan method [Janvier (1990)], and to aa273-292 through EIA pentadecapeptide method [Janvier (1992)]	p24(273-292 IIIB)	SILDIR	no	purified HIV-1	murine(IgG ₁)
78 LH-104-K	p24(149-154) References: [Haaheim (1991)] • LH-104-K: Binds exclusively with p24 (not p55) [Haaheim (1991)] • LH-104-K: UK Medical Research Council AIDS reagent: ARP322	p24(281-286 BRU)	SILDIR	no	Peptide	murine(IgG ₁ κ)
79 1A7	p24(152-172) References: [Otteken (1992)] • 1A7: Recognized an epitope present on HIV-2/SIVmac (MAC251/32H) and HIV-2smmH4, but not SIVagmTYO-1, HIV-1 IIIB or SIVmnd [Otteken (1992)]	p24(152-172 SIVmac)	CVKQGPKEPFQSYVDRFYKSL	no	Inact AGMTYO-7	murine(IgG ₁)
80 1.17.3	p24(152-172) References: [Otteken (1992)] • 1.17.3: Recognized an epitope present on HIV-2/SIVmac (MAC251/32H) and HIV-2smmH4, but not SIVagmTYO-1, HIV-1 IIIB or SIVmnd [Otteken (1992)]	p24(152-172 SIVmac)	CVKQGPKEPFQSYVDRFYKSL	no	Inact AGMTYO-7	murine(IgG ₁)
81 1F6	p24(152-172) References: [Otteken (1992)] • 1F6: Recognized an epitope present on HIV-2/SIVmac (MAC251/32H) and HIV-2smmH4, but not SIVagmTYO-1, HIV-1 IIIBor SIVmnd [Otteken (1992)]	p24(152-172 SIVmac)	CVKQGPKEPFQSYVDRFYKSL	no	Inact AGMTYO-7	murine(IgG ₁)
82 23A5G5	p24(153-172) References: [Robert-Hebmann (1992b), Robert-Hebmann (1992a)]	p24(285-304 BRU)	IRQGPKEPFRDYVDRFYKTL	no	IIIB p25	murine(IgG)

Table of HIV MAbs

MAb ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
83 23A5G4	p24(153-172) References: [Janvier (1990), Janvier (1996)] • 23A5G4: Mapped to aa209-217 through Pepsan method [Janvier (1990)] and to aa285-304 through EIA pentadecapeptide method [Janvier (1992)] • 23A5G4: A few sera which were able to bind the linear sequence 178-192, but not sequence 288-302 in an indirect peptide ELISA inhibited the binding of 23A5G4 to the native p24 [Janvier (1996)]	p24(285-304 IIIB) IRQPKPEFRDYVDRFYKTL	no	HIV-1 p24	murine(IgG ₁)	
84 3D10G6	p24(153-172) References: [Janvier (1990)] • 3D10G6: Epitope cross-reacts with HIV-1 and HIV-2 – mapped to aa260-267 through Pepsan method [Janvier (1990)] and to aa285-304 through EIA pentadecapeptide method [Janvier (1992)]	p24(285-304 IIIB) IRQPKPEFRDYVDRFYKTL	no	purified HIV-1	murine(IgG ₁)	
85 F5-4	p24(153-175) References: [Kusk (1988), Kusk (1992)] • F5-4: Located in the most hydrophilic region of p24 [Kusk (1988), Kusk (1992)]	p24(153-174 HXB2) IRQPKPEFRDYVDRFYKTLR-AE	no	?	murine()	
86 MO9.42.2	p24(153-178) References: [Robert-Hebmann (1992b), Robert-Hebmann (1992a)] • MO9.42.2: Reacts with HIV-1s, HIV-2s, and SIVs in rec protein ELISA [Robert-Hebmann (1992b)]	p24(285-310 BRU) IRQPKPEFRDYVDRFYKTLR-AEQAS	no	HIV2 ROD	murine(IgG)	
87 MO9.50.2	p24(153-178) References: [Robert-Hebmann (1992b), Robert-Hebmann (1992a)] • MO9.50.2: Reacts with HIV-1s, HIV-2s, and SIVs in rec protein ELISA [Robert-Hebmann (1992b)]	p24(285-310 BRU) IRQPKPEFRDYVDRFYKTLR-AEQAS	no	HIV2 ROD	murine(IgG)	
88 V10	p24(155-169) References: [Matsuo (1992)] • V10: Reacts with HIV-1 and SIV AGM analogous peptides [Matsuo (1992)]	p24(289-303 IIIB) QGPKEFRDYVDRFY	no	virion	murine()	
89 V107	p24(155-177) References: [Matsuo (1992)] • V107: Reacts with FIV, HIV-1 and SIV AGM analogous peptides [Matsuo (1992)]	p24(289-311 IIIB) QGPKEFRDYVDRFYKTLRAE-QA	no	Virion	murine()	

Table of HIV MAbs

MAb ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
90 12-B-4	p24(161-170) References: [Niedrig (1988), Niedrig (1989)] • 12-B-4: Epitope is defined as the overlap between two HIV-1 reactive peptides – cross-reacts with HIV-2 ROD and SIV MAC [Niedrig (1988), Niedrig (1989)]	p24(293-302 BH10) References: [Niedrig (1988), Niedrig (1989)] • 12-B-4: Epitope is defined as the overlap between two HIV-1 reactive peptides – cross-reacts with HIV-2 ROD and SIV MAC [Niedrig (1988), Niedrig (1989)]	FRDYVDRFYK	no	IIIB virus	murine(IgG ₁)
91 C5122	p24(161-170) References: [Hinkula (1990)] • C5122: Defined by peptide blocking of binding to native protein – WB reactive with p53 and p24 [Hinkula (1990)]	p24(293-302 HXB2) References: [Hinkula (1990)] • C5122: Defined by peptide blocking of binding to native protein – WB reactive with p53 and p24 [Hinkula (1990)]	FRDYVDRFYK	no	Inact HIV lysate	murine(IgG ₁ κ)
92 9A4C4	p24(170-188) References: [Janvier (1990), Robert-Hebmann (1992b), Robert-Hebmann (1992a)] • 9A4C4: Mapped to aa260-267 through Pepsan method [Janvier (1990)] – and to aa303-317 through EIA pentadecapeptide method [Janvier (1992)]	p24(303-317 IIIB) References: [Janvier (1990), Robert-Hebmann (1992b), Robert-Hebmann (1992a)] • 9A4C4: Mapped to aa260-267 through Pepsan method [Janvier (1990)] – and to aa303-317 through EIA pentadecapeptide method [Janvier (1992)]	KTLRAEQASQEVKNWMTET	no	IIIB p25	murine(IgG ₁)
93 11D11F2	p24(171-185) References: [Janvier (1990)] • 11D11F2: Mapped to aa260-267 through Pepsan method [Janvier (1990)] – and to aa303-317 through EIA pentadecapeptide method [Janvier (1992)]	p24(303-317 IIIB) References: [Janvier (1990)] • 11D11F2: Mapped to aa260-267 through Pepsan method [Janvier (1990)] – and to aa303-317 through EIA pentadecapeptide method [Janvier (1992)]	TLRAEQASQEVKNWWM	no	HIV-1 p24	murine(IgG ₁)
94 11C10B10	p24(171-185) References: [Janvier (1990)] • 11C10B10: Mapped to aa260-267 through Pepsan method [Janvier (1990)] – and to aa303-317 through EIA pentadecapeptide method [Janvier (1992)]	p24(303-317 IIIB) References: [Janvier (1990)] • 11C10B10: Mapped to aa260-267 through Pepsan method [Janvier (1990)] – and to aa303-317 through EIA pentadecapeptide method [Janvier (1992)]	TLRAEQASQEVKNWWM	no	HIV-1 p24	murine(IgG ₁)
95 CD12B4	p24(171-185) Donor: R. B. Ferns and R. S. Tedder References: [Ferns (1987), Ferns (1989)] • CD12B4: Reacted with both p55 and p24 – strain-specific binding [Ferns (1987)] • CD12B4: UK Medical Research Council AIDS reagent: ARP346	p24(303-317 LAI) Donor: R. B. Ferns and R. S. Tedder References: [Ferns (1987), Ferns (1989)] • CD12B4: Reacted with both p55 and p24 – strain-specific binding [Ferns (1987)] • CD12B4: UK Medical Research Council AIDS reagent: ARP346	TLRAEQASQEVKNWWM		Inact CBL-1	murine(IgG ₁)

Table of HIV MAbs

MAB ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
96 BE3	p24(176–190) Donor: B. Wahren References: [Hinkula (1990)] • BE3: Defined by peptide blocking of binding to native protein – WB reactive with p53 and p24 [Hinkula (1990)] • BE3: UK Medical Research Council AIDS reagent: ARP368	p24(308–322 HXB2)	QASQEVKNWMTETLL	no	rec p24-15	murine(IgG ₁ κ)
97 L14	p24(176–190) Donor: B. Wahren References: [Hinkula (1990)] • L14: Defined by peptide blocking of binding to native protein – WB reactive with p53 and p24 [Hinkula (1990)] • L14: UK Medical Research Council AIDS reagent: ARP369	p24(308–322 HXB2)	QASQEVKNWMTETLL	no	rec p24-15	murine(IgG ₁ κ)
98 110/015	p24(181–190) References: [Niedrig (1991)] • 110/015: Cross-reactive between HIV-1, HIV-2 and SIV MAC by multiple tests [Niedrig (1991)]	p24(313–322 IIIB)	VKNWMTETLL	no	IIIB p24-β-gal fusion	murine(IgG ₁)
99 108/03	p24(181–190) References: [Niedrig (1991)] • 108/03: Cross-reactive between HIV-1, HIV-2 and SIV MAC by multiple tests [Niedrig (1991)]	p24(313–322 IIIB)	VKNWMTETLL	no	IIIB p24-β-gal fusion	murine(IgG ₁)
100 32:32K	p24(199–222) References: [Hinkula (1990)] • 32:32K: Epitope defined by peptide blocking of binding to native protein – WB reactive with p53 and p24 [Hinkula (1990)] • 32:32K: UK Medical Research Council AIDS reagent: ARP368	p24(331–354 HXB2)	KTILKALGPAATLEEMMTACQ-GVG	rec p24-15		murine(IgG ₁ λ)
101 C5200	p24(199–222) References: [Hinkula (1990)] • C5200: Epitope defined by peptide blocking of binding to native protein [Hinkula (1990)]	p24(331–354 HXB2)	KTILKALGPAATLEEMMTACQ-GVG	Inact HIV-1 lysate		murine(IgG ₁ κ)

Table of HIV MAbs

MAB ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species (Isotype)
102 FH2	p24(201–215) References: [Hinkula (1990)] • FH2: Defined by peptide blocking of binding to native protein – WB reactive with p53 and p24 [Hinkula (1990)]	p24(333–347 HXB2) p24(333–347 HXB2) Hinkula (1990)	ILKALGPAATLEEMM	no	rec p24-15	murine(IgG ₁ κ)
103 13B5	p24(205–214) Donor: bioMerieux References: [Berthet-Colominas (1999)] • 13B5: Fab which was bound to p24 capsid for crystallization and study of p24's structure [Berthet-Colominas (1999)]	p24(205–213)	LGPAATLEEM		rec p24 RH24	murine()
104 106/01	p24(211–230) References: [Niedrig (1991)] • 106/01: Cross-reactive between HIV-1, HIV-2 and SIV MAC by multiple tests [Niedrig (1991)]	p24(343–362 IIIB)	LEEMMTACQGVGPGHKARV	no	IIIB p24-β-gal fusion	murine(IgG ₁ κ)
105 LH-104-B	p24(225–230) References: [Haaheim (1991)] • LH-104-B: Binds exclusively with p55 (not p24), in contrast to LH-104-I [Haaheim (1991)] • LH-104-B: UK Medical Research Council AIDS reagent: ARP308	p24(357–362 BRU)	GHKARV	no	Peptide	murine(IgG ₁ κ)
106 LH-104-I	p24(226–231) References: [Haaheim (1991)] • LH-104-I: Binds exclusively with p24 (not p55), in contrast to LH-104-B [Haaheim (1991)] • LH-104-I: UK Medical Research Council AIDS reagent: ARP321	p24(358–363 BRU)	HKARVL	no	Peptide	murine(IgG ₁ κ)