

## Nef Antibody-Peptide Reactivity

Location	Name	MAb	Peptide	Immunogen	Species(isotype)
			o References		
			• Comments		
Nef(1-33 IIIB)	4H4	y	MGGKWSKSSVVGWPTVRERMR- RAPTVRERMRRAEPAADGVGAA	Nef fusion protein	human(IgG <sub>1</sub> )
			o [Otake et al.(1994)]		
			• 4H4: This Ab could not detect Nef protein on the cell surface; C-term anti-Nef Abs could [Otake et al.(1994)]		
Nef(11-24 BH10)	13/042	y	VGWPTVRERM	rec Nef fragment	murine
			o [Schneider et al.(1991)]		
			• 13/042: Epitope mapped by overlapping decapeptides; core: TVRERM [Schneider et al.(1991)]		
Nef(11-24 BH10)	13/035	y	TVRERMRRAE	rec Nef fragment	murine
			o [Schneider et al.(1991)]		
			• 13/035: Epitope mapped by overlapping decapeptides; core: TVRERM [Schneider et al.(1991)]		
Nef(28-43 BH10)	AM5C6	y	DGVGAASRDLEKGAI	rec Nef fragment	murine
			o [Schneider et al.(1991)]		
			• AM5C6: Epitope mapped by overlapping decapeptides; core: SRDL; also reacts with Nef(78-92) [Schneider et al.(1991)]		
Nef(30-43 BH10)	26/76	y	VGAASRDLEKGAI	rec Nef fragment	murine
			o [Schneider et al.(1991)]		
			• 26/76: Epitope mapped by overlapping decapeptides; core: SRDLEK [Schneider et al.(1991)]		
Nef(30-43 BH10)	25/03	y	VGAASRDLEKGAI	rec Nef fragment	murine
			o [Schneider et al.(1991)]		
			• 25/03: Epitope mapped by overlapping decapeptides; core: ASRDLEK [Schneider et al.(1991)]		
Nef(60-73 BH10)	26/028	y	AQEEEEVGFPVTPQ	rec Nef fragment	murine
			o [Schneider et al.(1991)]		
			• 26/028: Epitope mapped by overlapping decapeptides; core: EEVGFPV [Schneider et al.(1991)]		
Nef(60-73 BH10)	13/058	y	AQEEEEVGFPVTPQ	rec Nef fragment	murine
			o [Schneider et al.(1991)]		
			• 13/058: Epitope mapped by overlapping decapeptides; core: EEVGFP [Schneider et al.(1991)]		

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Nef(78-92 BH10)	AM5C6	y	KAADVDSLHFLK	rec Nef fragment	murine
			◦ [Schneider et al.(1991)]		
			• AM5C6: Epitope mapped by overlapping decapeptides; core: KAAVDL; also reacts with Nef(28-43) [Schneider et al.(1991)]		
Nef(82-103 BH10)	31/03	y	AAVDLSHLKEKGGLGELIHS	rec Nef fragment	murine
			◦ [Schneider et al.(1991)]		
			• 31/03: Epitope mapped by overlapping decapeptides. Mapping suggests complex epitope in this region [Schneider et al.(1991)]		
Nef(148-157 IIIB)	F1	y	VEPDVKVEEAN	?	murine(IgM)
			◦ [Otake et al.(1994), Fujii et al.(1993)]		
Nef(158-206 IIIB)	E9	y	KGENTSLLHPVSLHGMDP PEREVLEWWRFDSRLAFHHVARELHPEYFKNC	?	murine(IgM)
			◦ [Otake et al.(1994), Fujii et al.(1993)]		
Nef(192-206 IIIB)	E7	y	HHVARELHPEYFKNC	?	murine(IgM)
			◦ [Otake et al.(1994), Fujii et al.(1993)]		
			• F1, E9 and E7: the C-term end of Nef is accessible to Abs at the cell surface; stained IIIB/M10, but not MN/M10, cells [Otake et al.(1994), Fujii et al.(1993)]		