

## Anti-Bonzo (NT2) STRL33, TYMSTR

**CATALOG NO.:** PX163A      **SIZE:** 100 µg  
                                  PX163B      **SIZE:** 0.5 mg

### BACKGROUND:

Human immunodeficiency virus (HIV) and simian immunodeficiency virus (SIV) require coreceptors, in addition to CD4, to infect target cells. Some G protein-coupled receptors including CCR5, CXCR4, CCR3, and CCR2b in the chemokine receptor family have been identified as HIV coreceptors. An orphan G protein-coupled receptor was recently cloned and designated Bonzo, STRL33 and TYMSTR, and identified as HIV and SIV coreceptor (1-4). Bonzo/STRL33 serves as coreceptor for SIV, HIV-2 and HIV-1. The messenger RNA of Bonzo/STRL33 is expressed in lymphoid tissues and activated peripheral blood lymphocytes.

### SOURCE:

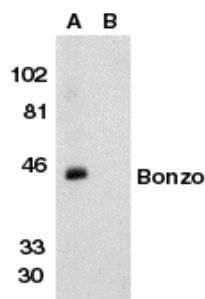
Rabbit anti-Bonzo polyclonal antibody was raised against a peptide corresponding to amino acids 11 to 25 of human Bonzo/STRL33 (1,2). The sequence of this peptide differs from those of African green monkey and pig-tailed macaque by one or two amino acids, respectively, (1).

### APPLICATION:

This polyclonal antibody can be used for detection of Bonzo by Western blot at 1:500 dilution. Human spleen tissue lysate can be used as positive control. For research use only.

### STORAGE:

It is supplied as 100 µg of immunoaffinity purified IgG in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.



Western blot analysis of Bonzo in human spleen tissue lysate in the absence (lane A) or presence (lane B) of peptide with anti-Bonzo (NT2) at 1:500 dilution.

### RELATED PRODUCT:

Blocking peptide, 50 µg/250 µl, is available for competition studies.  
 Human spleen tissue lysate, 200 µg/100 µl, is available for positive control.

### REFERENCES:

1. Deng HK, Unutmaz D, KewalRamani VN, Littman DR. Expression cloning of new receptors used by simian and human immunodeficiency viruses. *Nature* 1997;388:296-300
2. Liao F, Alkhatib G, Peden KW, Sharma G, Berger EA, Farber JM. STRL33, A novel chemokine receptor-like protein, functions as a fusion cofactor for both macrophage-tropic and T cell line-tropic HIV-1. *J Exp Med* 1997;185:2015-23
3. Alkhatib G, Liao F, Berger EA, Farber JM, Peden KW. A new SIV co-receptor, STRL33. *Nature* 1997;388:238
4. Loetscher M, Amara A, Oberlin E, Brass N, Legler D, Loetscher P, D'Apuzzo M, Meese E, Rousset D, Virelizier JL, Baggiolini M, Arenzana-Seisdedos F, Moser B. TYMSTR, a putative chemokine receptor selectively expressed in activated T cells, exhibits HIV-1 coreceptor function. *Curr Biol* 1997;7:652-60

**CAUTION:** NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.



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