

Anti-CCR8 TER1, CKR-L1, ChemR1

CATALOG NO.: PX165A **SIZE:** 100 µg

LOT: 9902

BACKGROUND:

CCR8 is one of the chemokine receptors that are required as coreceptors for HIV infection. The genes encoding human and murine CCR8 were cloned and designated TER1, CKR-L1, and ChemR1 (1-4). The encoded seven transmembrane protein was identified as the receptor for human CC chemokine I-309 and renamed CCR8. Recently, CCR8 was found to serve as a coreceptor for diverse T-cell tropic, dual-tropic and macrophage-tropic HIV-1 strains (5). CCR8 mediates CC chemokine I-309 induced monocyte chemoattraction and HIV-1 envelope fusion and virus infection, which can be prevented by the CCR8 ligand I-309. CCR8 is expressed in spleen, thymus and T lymphoblastic cell lines.

SOURCE:

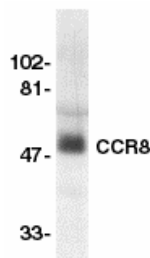
Rabbit anti-CCR8 polyclonal antibody was raised against a peptide corresponding to amino acids 183 to 201 of human CCR8, which locate in the second extracellular loop (1-3).

APPLICATION:

This polyclonal antibody can be used for detection of CCR8 by Western blot at 1:500 to 1:1000 dilution. Human spleen tissue lysate can be used as positive control and an approximately 50 kDa band can be detected. For research use only.

STORAGE:

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



Western blot analysis of CCR8 in human spleen lysate with anti-CCR8 at 1:500 dilution.

REFERENCES:

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2. Zaballos A, Varona R, Gutierrez J, Lind P, Marquez G. Molecular cloning and RNA expression of two new human chemokine receptor-like genes. *Biochem Biophys Res Commun* 1996;227:846-53
3. Samson M, Stordeur P, Labbe O, Soularue P, Vassart G, Parmentier M. Molecular cloning and chromosomal mapping of a novel human gene, ChemR1, expressed in T lymphocytes and polymorphonuclear cells and encoding a putative chemokine receptor. *Eur J Immunol* 1996;26:3021-8
4. Goya I, Gutierrez J, Varona R, Kremer L, Zaballos A, Marquez G. Identification of CCR8 as the specific receptor for the human beta-chemokine I-309: cloning and molecular characterization of murine CCR8 as the receptor for TCA-3. *J Immunol* 1998;160:1975-81
5. Horuk R, Hesselgesser J, Zhou Y, Faulds D, Halks-Miller M, Harvey S, Taub D, Samson M, Parmentier M, Rucker J, Doranz BJ, Doms RW. The CC chemokine I-309 inhibits CCR8-dependent infection by diverse HIV-1 strains. *J Biol Chem* 1998;273:386-91

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



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