

CCR8 Polyclonal Antibody

CATALOG #: 5208-100

AMOUNT: 100 µg

LOT #: _____

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding amino acid 186 of human CCR8.

SPECIES REACTIVITY: human

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-CCR8 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C or -70°C. For optimal storage, aliquot and freeze at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

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. 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. CCR8 mediates CC chemokine I-309 induced monocyte chemoattraction and HIV-1 envelop fusion and virus infection, which can be prevented by the CCR8 ligand I-309. CCR8 is expressed in spleen, thymus and Y-lymphoblastic cell lines.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. An approximately 50 kDa human CCR8 should be detected. Human spleen tissue lysate can be used as a positive control.

REFERENCES:

1. Napolitano, M., *et al* (1996) *J. Immunol.* **157**:2759-2763.
2. Zaballo, A., *et al* (1996) *Biochem Biophys Res Commun* **227**:846-853.

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