

PRODUCT INFORMATION

ANTI-EOTAXIN (CT)

1123PR

CCR3 LIGAND

BACKGROUND

Chemokines play a key role in inflammation. The CC chemokine eotaxin is a potent and specific eosinophil chemoattractant that is expressed by a variety of cell types in certain inflammatory conditions (1,2). Some G-protein coupled chemokine receptors are also utilized as virus coreceptors for fusion and infection of cells. The eotaxin receptor CCR3 is required for HIV-1 entry into target cells such as microglia and eotaxin inhibits the infection with HIV-1 (3,4).

SOURCE

This polyclonal antibody was raised in rabbits against a peptide corresponding to amino acids 83 to 97 of human eotaxin (1,2).

APPLICATION

This polyclonal antibody can be used for detection of eotaxin by Western blot at 0.5 to 1 µg/ml. The recombinant protein can be used as positive control and monomer and homodimer are detected at approximate 9 and 18 kDa. For research use only.

STORAGE

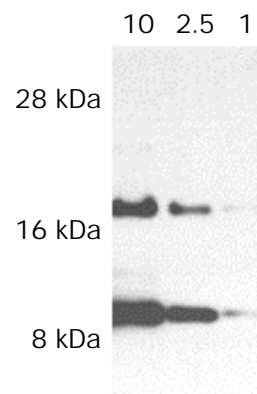
It is supplied as purified IgG, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.

RELATED PRODUCT

Blocking peptide, 50 µg at 200 µg/ml for competition studies is available on request.

REFERENCES

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2. Ponath, P.D., Qin, S., Ringler, D.J. et al. Cloning of the human eosinophil chemoattractant, eotaxin. Expression, receptor binding, and functional properties suggest a mechanism for the



Western blot analysis of eotaxin in HeLa cell lysate containing 10, 2.5, or 1 ng of full length recombinant eotaxin with anti-eotaxin at 1 µg/ml.

selective recruitment of eosinophils. *J Clin Invest* 1996; 97:604-12

3. He, J., Chen, Y., Farzan, M. et al. CCR3 and CCR5 are co-receptors for HIV-1 infection of microglia. *Nature*. 1997; 385 (6617):645-9

4. Choe, H., Farzan, M., Sun, Y. et al. The beta-chemokine receptors CCR3 and CCR5 facilitate infection by primary HIV-1 isolates. *Cell*. 1996;85:1135-48

5. Ponath, P.D., Qin, S., Ringler, D.J. et al. Cloning of the human eosinophil chemoattractant, eotaxin. Expression, receptor binding, and functional properties suggest a mechanism for the selective recruitment of eosinophils. *J Clin Invest* 1996; 97:604-12

6. Kitaura, M., Nakajima, T., Imai, T. et al. Molecular cloning of human eotaxin, an eosinophil-selective CC chemokine, and identification of a specific eosinophil eotaxin receptor, CC chemokine receptor 3. *J Biol Chem* 1996; 271:7725-30

CCR3

1. Combadiere, C., Ahuja, S.K., Murphy, P.M. Cloning and functional expression of a human eosinophil CC chemokine receptor. *J Biol Chem* 1995; 270(28):16491-4
2. Daugherty, B.L., Siciliano, S.J., DeMartino, J.A. et al. Cloning, expression, and characterization of the human eosinophil eotaxin receptor. *J Exp Med* 1996; 183:2349-54
3. He, J., Chen, Y. et al. CCR3 and CCR5 are co-receptors for HIV-1 infection of microglia. *Nature*. 1997;385(6617):645-9.
4. Choe, H. et al. The beta-chemokine receptors CCR3 and CCR5 facilitate infection by primary HIV-1 isolates. *Cell*. 1996; 85:1135-48.

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