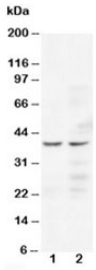
CCR5 Antibody (R30186)

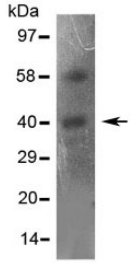
Catalog No.	Formulation	Size
R30186	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P51681
Localization	Cell membrane
Applications	Western blot: 0.5-1ug/ml
Limitations	This CCR5 antibody is available for research use only.



Western blot testing of CCR5 antibody and human Lane 1: Jurkat; 2: COLO320 cell lysate. Predicted/observed molecular weight ~41 kDa.



Western blot testing of CCR5 antibody and mouse liver lysate (50ug/lane). Predicted molecular weight ~41 kDa.

Description

Human CC chemokine receptor 5 (CCR5), which is 17.5 kb from the CMKBR2 gene, encodes a 352-amino acid protein with a calculated molecular mass of 40,600 Da. It is organized into four exons and two introns. Human CCR5 is a co-receptor for macrophage-tropic strains of human immunodeficiency virus (HIV)-1 and is expressed by bone-marrow-derived cells. CCR5 is expressed on neurons, astrocytes, and microglia in the central nervous system, and on epithelium, endothelium, vascular smooth muscle and fibroblasts in other tissues. Functionally, CCR5 mediates the activation of cells by the chemokines macrophage inflammatory protein-1alpha, macrophage inflammatory protein-1beta, and RANTES, and serves as a fusion cofactor for macrophage-tropic strains of human immunodeficiency virus type 1.

For additional information about CCR5 biology, CD195 function, chemokine receptor signaling, and the full research applications of this target, see our CCR5 Antibody / CD195 Antibody page.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CCR5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human CCR5 (PCQKINVKQIAARLLP) was used as the immunogen for this CCR5 antibody.

Storage

After reconstitution, the CCR5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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