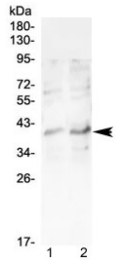
CCR5 Antibody (R32995)

Catalog No.	Formulation	Size
R32995	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, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P51681
Applications	Western Blot: 0.5-1ug/ml
Limitations	This CCR5 antibody is available for research use only.



Western blot testing of human 1) Jurkat and 2) MCF7 cell lysate with CCR5 antibody at 0.5ug/ml. 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

Optimal dilution of the CCR5 antibody should be determined by the researcher.

Immunogen

Amino acids YSGILKTLLRCRNEKKRHRAVRLIFT from the human protein were used as the immunogen for the 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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