

Datasheet for ABIN6939154

anti-CCR5 antibody**6** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CCR5
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CCR5 antibody is un-conjugated
Application:	Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Human native CCR5 protein
Clone:	12D1
Isotype:	IgG2a kappa
Specificity:	Reacts with the N-terminal extracellular domain of CD195. The CC chemokine receptor 5 (CCR5) is a member of the CC-chemokine receptor family, and has the characteristic structure of a 7 transmembrane G protein-coupled receptor (GPCR). CCR5 regulates trafficking and effector functions of memory/effector Th1 cells, macrophages, NK cells, and immature dendritic cells. CCR5 and its ligands play an important role in viral pathogenesis. CCR5 represents the co-receptor for macrophage (M) and dual (T cell and M)-tropic immunodeficiency viruses. Together with the CD4 binding receptor, CCR5 plays a critical role in HIV entry into the target cells. Moreover, the CCR5 ligands macrophage inflammatory protein (MIP)-1 alpha, MIP-1 beta and RANTES act as endogenous inhibitors of HIV infection, making both CCR5 and its chemokine ligands attractive therapeutic targets for HIV infection. Recent

Product Details

studies have also highlighted the role of CCR5 in a variety of other human diseases, ranging from infectious and inflammatory diseases to cancer.

Purification: Purified by Protein A/G

Target Details

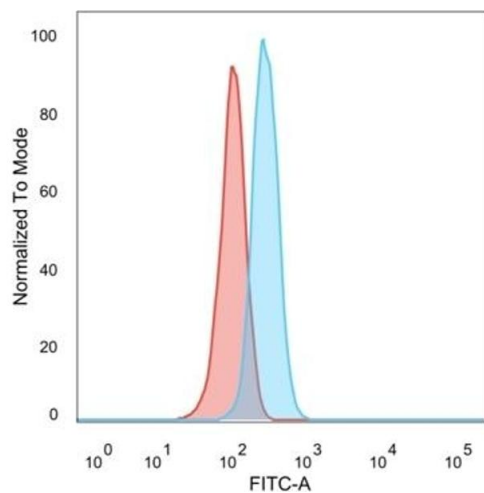
Target:	CCR5
Alternative Name:	CCR5 (CCR5 Products)
Molecular Weight:	45kDa
Gene ID:	1234
UniProt:	P51681
Pathways:	Cellular Response to Molecule of Bacterial Origin , cAMP Metabolic Process , Regulation of Cell Size

Application Details

Application Notes:	Positive Control: Human lymph node and tonsil.
	Known Application: Immunohistochemistry (Frozen) (1-2 µg/mL for 30 minutes at RT)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

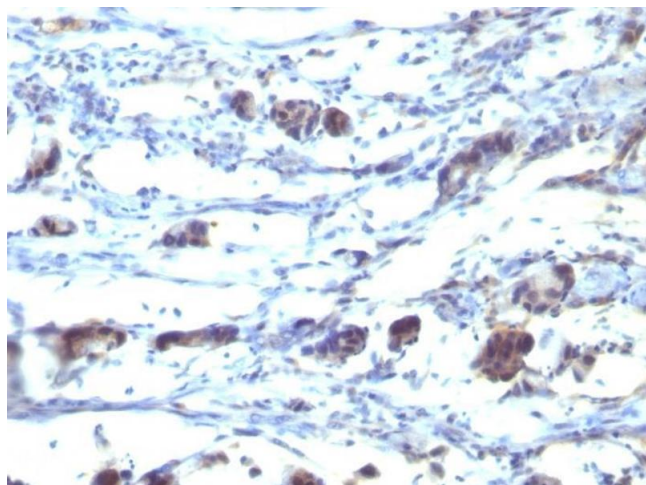
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



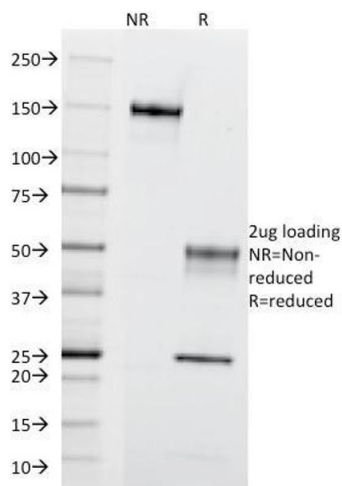
Flow Cytometry

Image 1. Flow Cytometric Analysis of PFA-fixed HeLa cells using CD195 Mouse Monoclonal Antibody (12D1) followed by goat anti-mouse IgG-CF488 (Blue), Isotype Control (Red).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Stomach tissue stained with CD195 Mouse Monoclonal Antibody (12D1).



SDS-PAGE

Image 3. SDS-PAGE Analysis of Purified CD195 Mouse Monoclonal Antibody (12D1). Confirmation of Purity and Integrity of Antibody

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6939154.