



Anti-CCR5 monoclonal antibody, clone HM-CCR5 (CABT-47249HM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

This product recognises CD195, also known as CCR5 (chemokine (C-C motif) receptor 5), a receptor for a number of C-C-chemokines, including MIP-1-alpha, MIP-1-beta and RANTES. CD195 is predominantly expressed on T cell, macrophages, dendritic cells and microglia. It is one of the major coreceptors for HIV infectivity. CD195 is expressed at low density on activated cells. For the best immunofluorescent staining results, it may be best to maximise signal by using a sensitive three-layer staining technique or a bright fluorochrome for detection. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Specificity	CCR5
Isotype	IgG
Source/Host	Hamster
Species Reactivity	Mouse
Clone	HM-CCR5
Conjugate	Unconjugated
Applications	FC
Format	Purified IgG - liquid
Size	250 µg
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Ccr5 chemokine (C-C motif) receptor 5 [Mus musculus (house mouse)]
Official Symbol	CCR5
Synonyms	CCR5; chemokine (C-C motif) receptor 5; AM4-7; CD195; Cmkbr5; C-C chemokine receptor type 5; CCR-5; CC-CKR-5; C-C CKR-5; MIP-1 alpha receptor; chemokine (C-C) receptor 5;
Entrez Gene ID	12774
Protein Refseq	NP_034047
UniProt ID	P51682
Chromosome Location	9 F; 9 75.05 cM
Pathway	Beta defensins; Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD); Defensins; Disease;
Function	C-C chemokine binding; C-C chemokine receptor activity; G-protein coupled receptor activity; actin binding; chemokine (C-C motif) ligand 5 binding; chemokine receptor activity; glycoprotein binding; protein kinase binding; signal transducer activity;