



Anti-CCR2 (N-terminal) polyclonal antibody (CPBT-68006GM)

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

PRODUCT INFORMATION

Product Overview

Goat anti Mouse CD192 (N-terminal) antibody recognizes an epitope within the N-terminal (NT) region of mouse CD192, otherwise known as CCR2 (C-C chemokine receptor type 2), a transmembrane glycoprotein and member of the G-protein coupled receptor 1 family, which plays a key role in inflammation. CD192 acts as a receptor for the chemokines MCP-1 (monocyte chemoattractant protein 1), MCP-3 and MCP-4, and interaction between CD192 and MCP-1, initiates chemotactic responses through an increase in intracellular calcium levels. Goat anti Mouse CD192 is reported as suitable for use in immunocytochemistry on acetone fixed cells. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Specificity	CD192
Immunogen	Synthetic peptide SHSLFTRSIQELDEGATTPYDYDDGEPC corresponding to amino acids 18-45 within the N-terminal region of mouse CD192.
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Conjugate	Unconjugated
Applications	FC; IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.1% 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	Ccr2 chemokine (C-C motif) receptor 2 [Mus musculus (house mouse)]
Official Symbol	CCR2
Synonyms	CCR2; chemokine (C-C motif) receptor 2; Ckr2; Ccr2a; Ccr2b; Ckr2a; Ckr2b; mJe-r; Cmkbr2; Cc-ckr-2; C-C chemokine receptor type 2; CCR-2; C-C CKR-2; MIP-1 alphaR; MCP-1 receptor; JE/FIC receptor; chemokine (C-C) receptor 2; chemoattractant protein-1 recept
Entrez Gene ID	12772
Protein Refseq	NP_034045
UniProt ID	P51683
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 receptor activity; G-protein coupled receptor activity; chemokine (C-C motif) ligand 12 binding; chemokine (C-C motif) ligand 2 binding; chemokine (C-C motif) ligand 7 binding; chemokine receptor activity; cytokine binding; protein binding; signal transducer activity;