Anti-CCR2 [4.9] Standard Size Ab03418-3.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Mouse IgG2b, Fc Silent™, Kappa
Clone Number: 4.9
Alternative Name(s) of Target: CD192; C-C chemokine receptor type 2; C-C CKR-2; CC-CKR-2; CCR-2; Monocyte chemoattractant protein 1 receptor; MCP-1-R; CMKBR2; 4.9.2
UniProt Accession Number of Target Protein: P41597
Published Application(s): antagonist, ELISA, FC
Published Species Reactivity: Human
Immunogen: The original antibody was generated by immunizing human immunoglobulin generating XENOMOUSE™ mice with human CCR2 antigen.
Specificity: This antibody specifically binds an epitope located within the 2nd extracellular loop of human CCR2. The human C-C chemokine receptor type 2 is a key functional receptor for CCL2 but can also bind CCL7 and CCL12.
Application Notes: The binding specificity of this antibody to full length CCR2, and 1St and 2nd loop of CCR2 was determined using ELISA. The binding reactivity of this antibody to the surface bound CCR2 receptors was confirmed with flow cytometry. This antibody can positively inhibit chemotaxis of THP-1 monocytes. The therapeutic effects of this antibody were studied in in vivo mouse models of inflammation, multiple sclerosis and neuropathic pain (US8710191).
Antibody First Published in: PMID:
Note on publication:

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

20ºC.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.