

Anti-Ccl2 Neutralizing Antibody (V3S-0822-YC2656)

Cat. No.: V3S-0822-YC2656

Summary

Description	This product is a hamster monoclonal antibody provided by Creative Biolabs. The antibody is capable of recognizing chemokine (C-C motif) ligand 2. It can be used for Ccl2 detection in Neutralization Assay (Neut), Immunohistochemistry-Frozen (IHC-Fr). The antibody is expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultra purified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.
Clonality	Monoclonal
Host Species	Hamster
Target Species	Mouse, Human, Rat
Immunogen	CHO-expressed mouse MCP-1
Isotype	IgG kappa
Isotype Control	C21576
Secondary Antibody	C12125; C50665

Property

Purity	>95%, determined by SDS-PAGE
Purification	Protein G purified
Formulation	PBS, pH 7.0
Preservation	No preservatives
Storage	Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

Applications

Application	Neut; IHC-Fr
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For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Target

Target	Ccl2
Alternative Name	AI323594; HC11; JE; MCAF; MCP-1; MCP1; SMC-CF; Scya2; Sigje
Gene ID	20296
Introduction	The chemokine ligand 2 is also referred to as monocyte chemoattractant protein 1 and small inducible cytokine A2. CCL2 is a small cytokine that belongs to the CC chemokine family. CCL2 recruits monocytes, memory T cells, and dendritic cells to the sites of inflammation produced by either tissue injury or infection.
Research Area	Immunology; Cardiovascular
Proceedings of R&D	Diseases associated with CCL2 include Neural Tube Defects and Human Immunodeficiency Virus Type 1. Among its related pathways are Rheumatoid arthritis and A-beta Pathways: Uptake and Degradation. Gene Ontology (GO) annotations related to this gene include protein kinase activity and heparin binding. An important paralog of this gene is CCL7.

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