

ARG10027
anti-MCP3 antibody [542]Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [542] recognizes MCP3
Tested Reactivity	Hu
Tested Application	ELISA, WB
Specificity	Does not show any cross reaction with other human cytokines or growth factors tested such as IL-1β, IL-8, MCAF, SAA and EGF.
Host	Mouse
Clonality	Monoclonal
Clone	542
Isotype	IgG2a, kappa
Target Name	MCP3
Species	Human
Immunogen	Recombinant human MCP-3 (M.W. 8.5kDa containing 76 amino acids residues)
Conjugation	Un-conjugated
Alternate Names	MCP3; NC28; Monocyte chemotactic protein 3; MARC; Small-inducible cytokine A7; FIC; C-C motif chemokine 7; Monocyte chemoattractant protein 3; MCP-3; SCYA7; SCYA6

Application Instructions

Application Note	<p>ELISA: This antibody can be used as a capture antibody in sandwich ELISA applications for human MCP-3 detection in combination with a monoclonal tracer/detection antibody (HRP-conjugated, Cat. No.: ARG10201). Suggested Capture Coating Dose: 3µg/well; Substrate: TMB.</p> <p>Western Blot: This antibody concentration of 0.5-2µg/mL will allow visualization of 0.1 µg/lane of human MCP-3.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>
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Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 6354 Human Swiss-port # P80098 Human
Gene Symbol	CCL7
Gene Full Name	chemokine (C-C motif) ligand 7
Background	This gene encodes monocyte chemotactic protein 3, a secreted chemokine which attracts macrophages during inflammation and metastasis. It is a member of the C-C subfamily of chemokines which are characterized by having two adjacent cysteine residues. The protein is an in vivo substrate of matrix metalloproteinase 2, an enzyme which degrades components of the extracellular matrix. This gene is part of a cluster of C-C chemokine family members on chromosome 17q. [provided by RefSeq, Jul 2008]
Function	Chemotactic factor that attracts monocytes and eosinophils, but not neutrophils. Augments monocyte anti-tumor activity. Also induces the release of gelatinase B. This protein can bind heparin. Binds to CCR1, CCR2 and CCR3. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30074 MCP3 ELISA Antibody Duo Related products: MCP3 antibodies ; MCP3 ELISA Kits ; MCP3 Duos / Panels ; Anti-Mouse IgG secondary antibodies ;
Research Area	Immune System antibody
Calculated Mw	11 kDa
PTM	O-glycosylated.