

ARG10201
anti-MCP3 antibody [113] (HRP)

Package: 100 µl

Store at: -20°C

Summary

Product Description	HRP-conjugated Mouse Monoclonal antibody [113] recognizes Human MCP-3
Tested Reactivity	Hu
Tested Application	ELISA
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	113
Isotype	IgG1, kappa
Target Name	MCP3
Species	Human
Immunogen	Recombinant human MCP-3 (M.W. 8.5kDa containing 76 amino acids residues)
Conjugation	HRP
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	ELISA: In combination with capture antibody clone 542 (ARG10027), this HRP conjugated antibody can be used as tracer antibody for human MCP-3 detection in sandwich ELISA. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2) and 50% Glycerol
Stabilizer	50% Glycerol
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. Storage in frost free freezers is not recommended. Keep the antibody in the dark and keep protected from prolonged exposure to light. 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	Macrophage/monocyte chemotactic protein-3 (MCP-3), like other two closely related chemokines (MCP1 and MCP-2), is chemotactic to monocytes, but not to neutrophils. MCP-3 showed 78% sequence homology with MCP-1 and 58% sequence homology with MCP-2. The primary receptor for MCP-3 is D6. MCP-3 also competes with MCP-1 to bind to CCR10, and competes with Rantes and MIP-1 α to bind to CCR1. MCP-3 stimulates macrophage to secrete proteases. A variety of cancer cell lines express MCP-3, suggesting a role in tumor invasion and metastasia.
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.