

For Research Use Only

FcZero-rAb® PE Anti-Human MCP-1/CCL2 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98044



Basic Information

Catalog Number: PE-FcA98044	GenBank Accession Number: BC009716	Purification Method: Protein A purification
Concentration: 100 tests, 5 µl/test	GeneID (NCBI): 6347	CloneNo.: 230270A7
Source: Rabbit	UNIPROT ID: P13500	Recommended Dilutions: FC (Intra): 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: chemokine (C-C motif) ligand 2	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Immunogen Catalog Number: EG31375	Calculated MW: 99 aa, 11 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : PMA, LPS and Brefeldin A treated THP-1 cells,
Species Specificity: human	

Background Information

Monocyte chemoattractant protein-1 (MCP-1), also known as CCL2, is a chemokine that regulates monocyte and macrophage migration and infiltration. In addition to monocytes and macrophages, MCP-1 can also serve as a chemoattractant for T cells, B cells, NK cells, dendritic cells, and neutrophils. MCP-1 expression is typically induced by the release of inflammatory cytokines and other stimuli from sites of tissue injury and infection. It in turn promotes the extravasation of immune cells across blood vessel walls and their subsequent infiltration of the infection site. It may also play a role in macrophage polarization as well as the differentiation of monocytes into dendritic cells, MSDCs, and osteoclasts. Increased MCP-1 expression has been linked to inflammatory diseases such as rheumatoid arthritis, atherosclerosis, and multiple sclerosis. (PMID: 19441883, 31921102)

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:

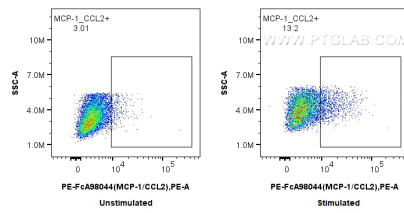
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or PMA, LPS and Brefeldin A treated THP-1 cells were intracellularly stained with 5 ul PE Anti-Human MCP-1/CCL2 Rabbit RecAb (PE-FcA98044, Clone: 230270A7). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).