

PerCP/Cyanine5.5 anti-human CXCL10 (IP-10) Antibody

Catalog# / Size	519509 / 25 tests 519510 / 100 tests
Clone	J034D6
Regulatory Status	RUO
Other Names	Interferon gamma induced protein-10 (IP-10)
Isotype	Mouse IgG2a, κ
Description	CXCL10, also known as IP-10, is a 8.7 kD chemokine. It belongs to the CXC chemokine family. It is expressed by monocytes, fibroblasts, and endothelial cells in response to IFN γ . It can interact with CXCR3 and plays an important role in immune cell trafficking, particularly of T cells, dendritic cells, and NK cells. In addition, it alters expression of adhesion molecules.

Product Details

Verified Reactivity	Human
Reported Reactivity	Rhesus
Antibody Type	Monoclonal
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	ICFC – Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.
Excitation Laser	Blue Laser (488 nm)
RRID	AB_2922627 (BioLegend Cat. No. 519509) AB_2922627 (BioLegend Cat. No. 519510)

Antigen Details

Structure	CXC chemokine family, 8.7 kD
Distribution	Monocytes, endothelial cells, and fibroblasts
Function	Interacts with CXCR3 and serves as a chemoattractant for T cells, dendritic cells, monocytes/macrophages, and NK cells
Ligand/Receptor	CXCR3
Cell Type	B cells, Dendritic cells, Endothelial cells, Fibroblasts, Monocytes

Biology Area	Cell Biology, Immunology, Innate Immunity, Neuroinflammation, Neuroscience
Molecular Family	Cytokines/Chemokines
Antigen References	<ol style="list-style-type: none"> 1. Luster AD, <i>et al.</i> 1987. <i>Proc. Natl. Acad. Sci. USA</i> 84:2868. 2. Kaplan G, <i>et al.</i> 1987. <i>J. Exp. Med.</i> 166:1098. 3. Sarris AH, <i>et al.</i> 1993. <i>J. Exp. Med.</i> 178:1127.
Gene ID	3627

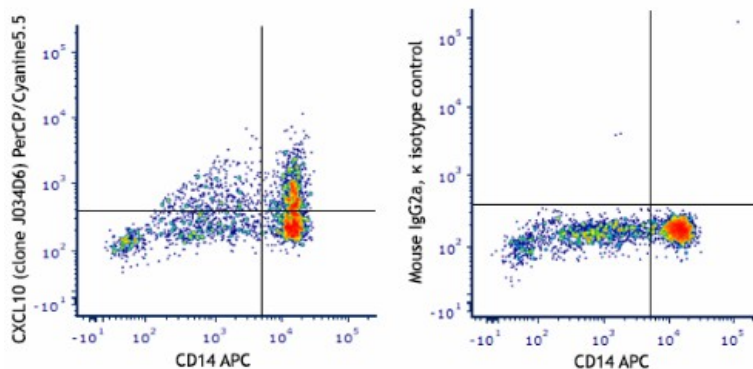
Related Protocols

[Intracellular Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CXCL10 (IP-10), PE anti-human CXCL10 (IP-10), APC anti-human CXCL10 (IP-10) Antibody, PE/Cyanine7 anti-human CXCL10 (IP-10) Antibody, PerCP/Cyanine5.5 anti-human CXCL10 (IP-10)

Product Data



Human peripheral blood monocytes were stimulated with IFN- γ (1500U/mL) for 24 hours (in the presence of monensin), fixed, and permeabilized. Cells were then stained with anti-human CD14 and anti-human CXCL10 (clone J034D6) PerCP/Cyanine5.5 (left) or mouse IgG2a, κ PerCP/Cyanine5.5 isotype control (right).

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