

APC anti-human CXCL10 (IP-10) Antibody

Catalog# / Size	519505 / 25 tests 519506 / 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 APC 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.
Excitation Laser	Red Laser (633 nm)
RRID	AB_2904431 (BioLegend Cat. No. 519505) AB_2904431 (BioLegend Cat. No. 519506)

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

1. Luster AD, *et al.* 1987. *Proc. Natl. Acad. Sci. USA* 84:2868.
2. Kaplan G, *et al.* 1987. *J. Exp. Med.* 166:1098.
3. Sarris AH, *et al.* 1993. *J. Exp. Med.* 178:1127.

Gene ID [3627](#)

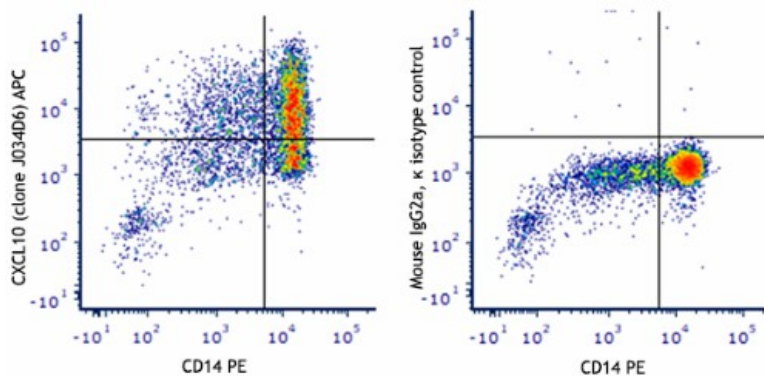
Related Protocols

[Intracellular Flow Cytometry Staining Protocol](#)

Other Formats

APC anti-human CXCL10 (IP-10) Antibody, PE/Cyanine7 anti-human CXCL10 (IP-10) Antibody, PerCP/Cyanine5.5 anti-human CXCL10 (IP-10), PE anti-human CXCL10 (IP-10), Purified 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). Cells were stained with CD14 PE then fixed and permeabilized. Cells were then stained with CXCL10 (IP-10) (clone J034D6) APC (left) or mouse IgG2a, κ APC isotype control (right).

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BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587