

APC anti-human CXCL5 Antibody

Catalog# / Size	524105 / 25 tests 524106 / 100 tests
Clone	J111B7
Regulatory Status	RUO
Other Names	ENA-78, ENA78, epithelial-derived neutrophil-activating protein 78, small inducible cytokine B5
Isotype	Mouse IgG2b, κ
Description	CXCL5, also known as ENA-78, is a 11.9 kD chemokine and belongs to the intercrine alpha, CXC chemokine family. It is expressed by monocytes and eosinophils in response to IL-1 and TNF α . CXCL5 can interact with CXCR2 and activate neutrophils and induce their migration. <i>In vitro</i> neutrophil chemotactic activity of CXCL5 is three fold higher. IFN γ suppresses expression of CXCL5. NF κ B alone is sufficient to induce CXCL5 in contrast to IL-8, which requires both NF κ B and C/EBP. Two forms are produced by N terminal proteolytic cleavage, ENA78 (8-78) and ENA 78 (9-78), and these isoforms exhibit higher chemotactic activity. Increased intra-hepatic levels of CXCL5 have been reported in patients with chronic liver disease.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Recombinant Human CXCL5 (ENA-78)
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.
Excitation Laser	Red Laser (633 nm)
RRID	AB_2728453 (BioLegend Cat. No. 524105) AB_2728454 (BioLegend Cat. No. 524106)

Antigen Details

Structure	CXC chemokine family, 11.9 kD
Distribution	Monocytes, platelets, and eosinophils
Function	Interacts with CXCR2 and is involved in neutrophil activation and chemotaxis for HIV-1
Ligand/Receptor	CXCR2
Cell Type	Monocytes, Platelets, Eosinophils

Biology Area	Immunology, Innate Immunity
Molecular Family	Cytokines/Chemokines
Antigen References	<ol style="list-style-type: none"> 1. Walz A, <i>et al.</i> 1991. <i>J. Exp. Med.</i> 174:1355. 2. Power CA, <i>et al.</i> 1994. <i>Gene.</i> 151:333. 3. Corbett MS, <i>et al.</i> 1994. <i>Biochem. Biophys. Res. Commun.</i> 205:612.
Gene ID	6374

Related Protocols

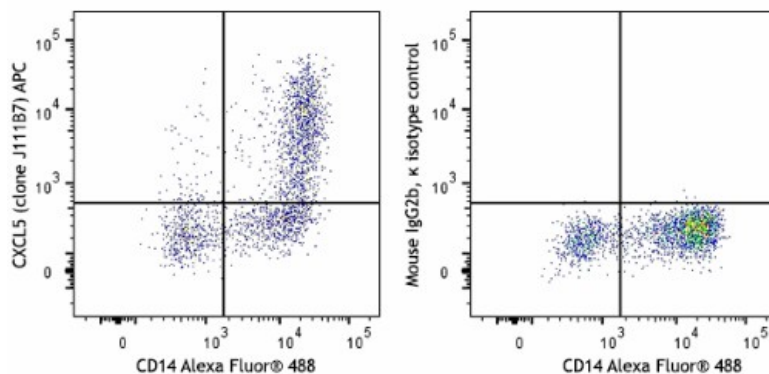
[Intracellular Cytokine Staining Protocol - Video](#)

[Intracellular Flow Cytometry Staining Protocol](#)

Other Formats

PE anti-human CXCL5, APC anti-human CXCL5

Product Data



Human peripheral blood monocytes were stimulated with LPS (overnight, in the presence of monensin), stained with CD14 Alexa Fluor® 488, fixed and permeabilized and then stained with CXCL5 (clone J111B7) APC (left) or mouse IgG2b, κ APC isotype control (right).

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