

IL-1 alpha Monoclonal Antibody (ALF-161), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	ALF-161
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466144

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.5 µg/test	1 Publication

Product Specific Information

Description: The ALF-161 antibody reacts with mouse interleukin-1alpha (IL-1alpha). Mouse IL-1alpha, also called Lymphocyte Activating Factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), and Mononuclear Cell Factor (MCF), is a 17 kDa factor produced by a wide variety of cells, including macrophages, dendritic cells, T and B cells. IL-1alpha is mostly cell-associated, with 23% amino acid homology with IL-1beta. The immune regulatory role of IL-1alpha is exerted on a wide range of cells including lymphocytes, epithelial cells and fibroblasts. In vivo, it induces hypotension, fever, and acute phase response.

Applications Reported: The ALF-161 antibody has been reported for use in ELISA capture, ELISPOT capture, neutralization, and intracellular staining for flow cytometry.

Applications Tested: This ALF-161 antibody is offered in 2 formats:

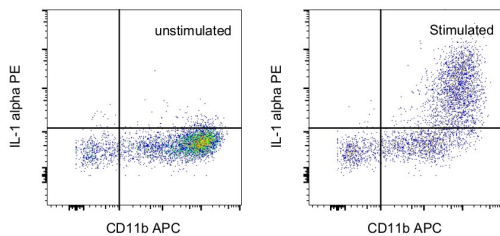
- µg size: Can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

- test size: has been pre-titrated can be used at test size: 5 µL (0.25µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-1 alpha Monoclonal Antibody (ALF-161), PE, eBioscience™



IL-1 alpha Antibody (12-7011-82) in Flow

BALB/c mouse thioglycolate-elicited peritoneal exudate cells were unstimulated (left) or stimulated overnight with LPS in presence of Brefeldin A (Product # 00-4976-03 and Product # 00-4506-51) and IFN gamma (Product # BMS326) (right). Cells were then stained intracellularly, using the Intracellular Fixation and Permeabilization Buffer Set (Product # 88-8824-00) and protocol, with CD11b Monoclonal Antibody, APC (Product # 17-0112-82) and 0.25 µg of IL-1 alpha Monoclonal Antibody, PE. Total viable cells were used for analysis.

1 Reference

Flow Cytometry (1)

Journal of immunology (Baltimore, Md. : 1950)

IL-1 and IL-1 recruit different myeloid cells and promote different stages of sterile inflammation.

Authors: Rider P, Carmi Y, Guttman O, Braiman A, Cohen I, Voronov E, White MR, Dinarello CA, Apte RN

Species
Mouse

Dilution
Not Cited

Year
2011

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