

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

Product Details

| | |
|--------------------|-------------------------|
| Size | 50 µg |
| Species Reactivity | Mouse |
| Published Species | Mouse |
| Host/Isotype | Armenian hamster / IgG |
| Class | Monoclonal |
| Type | Antibody |
| Clone | ALF-161 |
| Conjugate | Unconjugated |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2 |
| Contains | 0.09% sodium azide |
| Storage Conditions | 4° C |
| RRID | AB_468394 |

| Applications | Tested Dilution | Publications |
|----------------------------|-----------------|----------------|
| ELISA (ELISA) | 1-4 µg/mL | 4 Publications |
| Flow Cytometry (Flow) | - | 1 Publication |
| Functional Assay (FN) | - | 2 Publications |
| Immunofluorescence (IF) | - | 1 Publication |
| Immunohistochemistry (IHC) | - | 1 Publication |
| Inhibition Assays (IA) | - | 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.

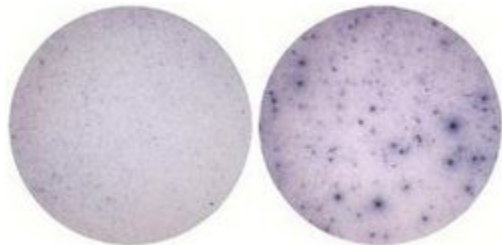
Applications Tested: The ALF-161 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of mouse Interleukin-1 alpha (IL-1 alpha) in combination with the biotin anti-mouse Interleukin-1 alpha (IL-1a) polyclonal (13-7111) antibody for detection and recombinant mouse IL-1a (14-8011) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1-4 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/mL - 8 pg/mL should be included in each ELISA plate.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

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



IL-1 alpha Antibody (14-7011-81) in ELISA

Mouse splenocytes (500,000 cells per well) were activated with LPS (1 µg/mL) for 48 hrs in mouse IL-1 alpha ELISPOT assay. Control well is medium alone.

[View more figures on thermofisher.com](https://www.thermofisher.com)

10 References

Immunohistochemistry (1)

The Journal of physiology

Developmental maturation of synaptic and extrasynaptic GABAA receptors in mouse thalamic ventrobasal neurones.

"Published figure using IL-1 alpha monoclonal antibody (Product # 14-7011-81) in Immunofluorescence"

Authors: Peden DR, Petitjean CM, Herd MB, Durakoglugil MS, Rosahl TW, Wafford K, Homanics GE, Belelli D, Fritschy JM, Lambert JJ

Species
Not Applicable

Dilution
Not Cited

Year
2008

Immunofluorescence (1)

The Journal of physiology

Developmental maturation of synaptic and extrasynaptic GABAA receptors in mouse thalamic ventrobasal neurones.

"Published figure using IL-1 alpha monoclonal antibody (Product # 14-7011-81) in Immunofluorescence"

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Species
Not Applicable

Dilution
Not Cited

Year
2008

Flow Cytometry (1)

Journal of immunology (Baltimore, Md. : 1950)

Ly6C(high) monocytes control cerebral toxoplasmosis.

"14-7011 was used in Flow cytometry/Cell sorting to indicate the critical importance of recruited Ly6C monocytes upon cerebral toxoplasmosis."

Authors: Biswas A, Bruder D, Wolf SA, Jeron A, Mack M, Heimesaat MM, Dunay IR

Species
Mouse

Dilution
Not Cited

Year
2015

ELISA (4)

Nature communications

Nlrp12 mutation causes C57BL/6J strain-specific defect in neutrophil recruitment.

"14-7011 was used in an ELISA assay to demonstrate that C57BL/6J mice have a functional defect in NLRP12, which is required by macrophages for effective neutrophil recruitment to inflammatory sites."

Authors: Ulland TK, Jain N, Hornick EE, Elliott EI, Clay GM, Sadler JJ, Mills KA, Janowski AM, Volk AP, Wang K, Legge KL, Gakhar L, Bourdi M, Ferguson PJ, Wilson ME, Cassel SL, Sutterwala FS

Species
Mouse

Dilution
Not Cited

Year
2016

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More applications with references on thermofisher.com

FN (2)

IA (1)

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