

LEAF™ Purified anti-mouse IL-1 α

Catalog # / Size: 503206 / 500 μ g

Clone: ALF-161

Isotype: Armenian Hamster IgG

Immunogen: *E. coli* - expressed, recombinant mouse IL-1

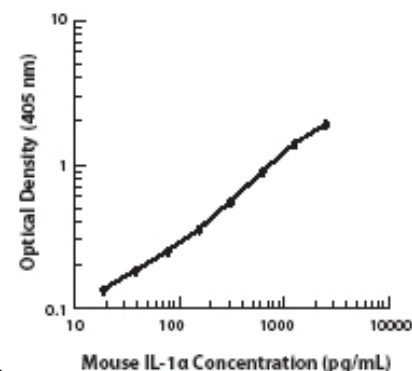
Reactivity: Mouse

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 μ m filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/ μ g of the protein (<0.01 ng/ μ g of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



Applications:

Applications: ELISA Capture - *Quality tested*
ELISPOT Capture, Neut, ICFC, WB, IP - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 1-4 μ g/ml is recommended. To obtain a linear standard curve, serial dilutions of IL-1 α recombinant protein ranging from 250 to 2 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: **ELISA or ELISPOT Capture:** The purified ALF-161 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated Poly5034 antibody (Cat. No. 503401) as the detecting antibody. The LEAF™ purified antibody is suggested for ELISPOT capture.

Neutralization: Clone ALF-161 has been described to have IL-1 α neutralizing properties based on the *in vivo* mice model³. The LEAF™ purified antibody (Endotoxin <0.1 EU/ μ g, Azide-Free, 0.2 μ m filtered) is recommended (Cat. No. 503206).

Application References:

1. Fuhlbrigge R, *et al.* 1988. *J. Immunol.* 141:2643.
2. Rogers HW, *et al.* 1992. *P. Natl. Acad. Sci. USA* 89:1011.
3. Yazdi AS, *et al.* 2010. *P. Natl. Acad. Sci. USA* 107:19449. (Neut)

Description: IL-1 refers to two proteins, IL-1 α and IL-1 β which are the products of distinct genes, but which are recognized by the same cell surface receptors. IL-1 α is a potent immuno-modulator which mediates a wide range of immune and inflammatory responses. The ALF-161 antibody reacts with precursor, secreted and membrane-associated forms of mouse IL-1 α . The ALF-161 antibody can neutralize the bioactivity of natural or recombinant IL-1 α .

Antigen References:

1. Fitzgerald K, *et al.* Eds. 2001. *The Cytokine FactsBook*. Academic Press San Diego.
2. Bomford R, *et al.* Eds. 1989. *Interleukin-1 inflammation and disease*. Elsevier New York.
3. Brazel D, *et al.* 1991. *Biotechnol. Ther.* 2:241.
4. Dinarello C. 1996. *Blood* 87:2095.

Related Products:

Product
Recombinant Mouse IL-1 α
LEAF™ Purified Armenian Hamster IgG Isotype Ctrl

Clone
rm IL-1 α
HTK888

Application
BA, ELISA
FC, ICFC, WB, IP, ICC, IF, FA



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