

Product Data Sheet

Biotin anti-mouse IL-1 α

Catalog # / Size: 503401 / 4 plates

Clone: Poly5034

Isotype: Rabbit IgG

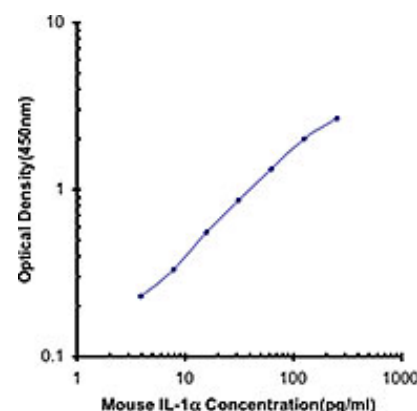
Immunogen: recombinant mouse IL-1 α

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



Applications:

Applications: ELISA Detection, ELISPOT Detection

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISA detection antibody, a concentration range of 0.05-0.2 μ g/ml is recommended. To obtain a linear standard curve, serial dilutions of mouse IL-1 α recombinant protein ranging from 250 to 4 pg/ml are recommended for each ELISA plate. For Western Blotting applications, it is suggested to use 5 μ g antibody per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes:

ELISA or ELISPOT Detection: The biotinylated Poly5034 antibody is useful as a detection antibody for a sandwich ELISA or ELISPOT assay, when used in conjunction with purified ALF-161 antibody (Cat. No. 503202/503206) as the capture antibody.

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 Poly5034 antibody reacts with precursor, secreted and membrane-associated forms of mouse interleukin-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
Purified anti-mouse IL-1 α
Recombinant Mouse IL-1 α
HRP Avidin
TMB Substrate Reagent Set
ELISA Assay Diluent (5X)

Clone
ALF-161
rm IL-1 α
Avidin

Application
ELISA Capture, IF, IP, WB
BA, ELISA
ELISA, ELISPOT, IHC, WB
ELISA
ELISA



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