

Biotin anti-mouse IL-1 α

Catalog # / Size: 512503 / 50 μ g
512504 / 500 μ g

Clone: BL1a-89

Isotype: Rat IgG2a, κ

Immunogen: E. coli - expressed, 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.

Concentration: 0.5 mg/ml

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

Applications:

Applications: ELISA Detection, ELISPOT Detection-*Quality tested*
WB, IP - *Reported in the literature*

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 μ g/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.

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 biotinylated BL1a-89 antibody is useful as a detection antibody for a sandwich ELISA or ELISPOT assay when used in conjunction with the purified BL1a-72 antibody as capture antibody and recombinant mouse IL-1 α ?(Cat. No. 562801) as the standard.

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 | Clone | Application |
|---|------------------|---|
| Recombinant Mouse IL-1 α | rm IL-1 α | BA, ELISA |
| HRP Streptavidin | | ELISA, ELISPOT, IHC, WB |
| HRP Avidin | Avidin | ELISA, ELISPOT, IHC, WB |
| TMB Substrate Reagent Set | | ELISA |
| ELISA Assay Diluent (5X) | | ELISA |
| TMB High Sensitivity Substrate Solution | | ELISA |
| ELISA Wash Buffer (20X) | | ELISA |
| ELISA Coating Buffer (5X) | | ELISA |
| Purified anti-mouse IL-1 α | BL1a-72 | ELISA Capture, IP, WB |
| LEAF™ Purified anti-mouse IL-1 α | BL1a-72 | ELISA Capture, ELISPOT Capture, WB, IP |



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