

# Product Data Sheet

## Biotin anti-mouse IL-1 $\beta$

**Catalog # / Size:** 515801 / 5 Plates

**Clone:** Poly5158

**Isotype:** Goat Ig

**Immunogen:** Recombinant mouse IL-1 $\beta$

**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 - *Quality tested*

**Recommended Usage:** Each lot of this antibody is quality control tested by ELISA assay. For ELISA detection, the suggested use of this reagent is 1:200 dilution. To obtain a linear standard curve, serial dilutions of IL-1 $\beta$  recombinant protein ranging from 2000 to 30 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 Detection: The biotinylated Poly5158 antibody is useful as a detection antibody for a sandwich ELISA assay, when used in conjunction with purified B122 antibody (Cat. No. 503502) as the capture antibody.

**Description:** IL-1 refers to two proteins, IL-1 $\alpha$  and IL-1 $\beta$  which are the products of distinct genes, but which are recognized by the same cell surface receptors. IL-1 $\beta$  is a potent immuno-modulator which mediates a wide range of immune and inflammatory responses including the activation of B and T cells. The Poly5158 antibody reacts with the precursor and mature secreted forms of mouse IL-1 $\beta$ .

**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 *et al.* 1996. *Blood* 87:2095.

**Related Products:** **Product**

Purified anti-mouse / rat IL-1 $\beta$

**Clone**

B122

**Application**

ELISA Capture, IHC, IP, WB



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biollegend.com/ordering#license](http://www.biollegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.