

Product Data Sheet

Purified anti-human IL-1 β

Catalog # / Size: 508201 / 50 μ g
508202 / 500 μ g

Clone: JK1B-1

Isotype: Mouse IgG1

Immunogen: Recombinant human IL-1 beta

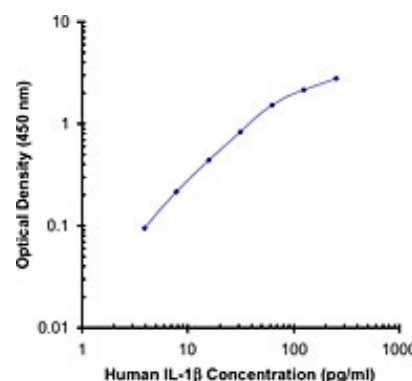
Reactivity: Human, **Cross-Reactivity:** Baboon

Preparation: The antibody was purified by affinity chromatography.

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.



Applications:

Applications: ELISA Capture - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 2-6 μ g/ml is recommended. To obtain a linear standard curve, serial dilutions of IL-1 β 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 and ELISPOT Capture:** The purified JK1B-1 antibody is useful as the capture antibody in a sandwich ELISA assay, when used in conjunction with the biotinylated JK1B-2 antibody (Cat. No. 508301) as the detecting antibody. The LEAF™ purified antibody is suggested for ELISPOT capture.

Flow Cytometry: The fluorochrome-labeled JK1B-1 antibody is useful for intracellular immunofluorescent staining and flow cytometric analysis to identify IL-1 β -producing cells within mixed cell populations. For intracellular cytokine staining protocol, please visit www.biolegend.com and click on the support section.

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 β is a potent immuno-modulator which mediates a wide range of immune and inflammatory responses including the activation of B and T cells. The JK1B-1 antibody reacts with human interleukin-1 β (IL-1 β) and baboon IL-1 β . The JK1B-1 antibody does not recognize mouse IL-1 β or human IL-1 α or other cytokines. The JK1B-1 antibody can neutralize the bioactivity of natural or recombinant IL-1 β .

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 Human IL-1 β
HRP Avidin
TMB Substrate Reagent Set
ELISA Assay Diluent (5X)
Biotin anti-human IL-1 β

Clone
rh IL-1B
Avidin

JK1B-2

Application

BA, ELISA
ELISA, ELISPOT, IHC, WB
ELISA
ELISA
ELISA Detection, ELISPOT
Detection



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