

# Product Data Sheet

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

**Catalog # / Size:** 508301 / 50  $\mu$ g  
508302 / 500  $\mu$ g

**Clone:** JK1B-2

**Isotype:** Mouse IgG2b,  $\kappa$

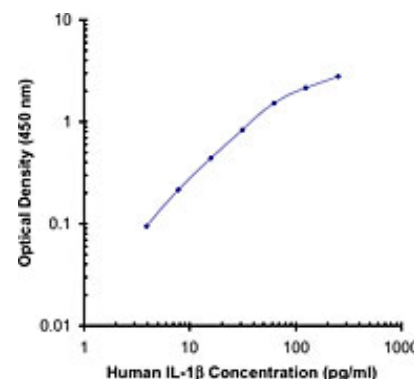
**Immunogen:** Recombinant human IL-1 beta

**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

**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 1-4  $\mu$ g/ml is recommended. To obtain a linear standard curve, serial dilutions of human IL-1 $\beta$  protein ranging from 250 to 2 pg/ml are recommended for each ELISA plate. For use as an ELISPOT detection antibody, a concentration range of 2-8  $\mu$ g/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** **ELISA or ELISPOT Detection:** The biotinylated JK1B-2 antibody is useful as the detection antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the purified JK1B-1 antibody (Cat. No. 508202/508204) 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 JK1B-2 antibody reacts with human interleukin-1 $\beta$  (IL-1 $\beta$ ) and baboon IL-1 $\beta$ . The JK1B-2 antibody does not recognize mouse IL-1 $\beta$  or human IL-1 $\alpha$  or other cytokines. The JK1B-2 antibody can neutralize the bioactivity of natural or recombinant IL-1 $\beta$ .

Related Products:	Product	Clone	Application
	Recombinant Human IL-1 $\beta$	rh IL-1B	BA, ELISA
	HRP Avidin	Avidin	ELISA, ELISPOT, IHC, WB
	TMB Substrate Reagent Set		ELISA
	ELISA Assay Diluent (5X)		ELISA
	Purified anti-human IL-1 $\beta$	JK1B-1	ELISA Capture



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