

## Purified anti-mouse IL-1 $\alpha$

**Catalog # / Size:** 512402 / 500  $\mu$ g

**Clone:** BL1a-72

**Isotype:** Rat IgG1,  $\kappa$

**Immunogen:** *E. coli* - expressed, recombinant mouse IL-1 $\alpha$

**Reactivity:** Mouse

**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*  
WB, IP - *Reported in the literature*

**Recommended Usage:** Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 0.5-2  $\mu$ g/ml is recommended. To obtain a linear standard curve, serial dilutions of IL-1 $\alpha$  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  $\mu$ 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 $\alpha$  and IL-1 $\beta$  which are the products of distinct genes, but which are recognized by the same cell surface receptors. IL-1 $\alpha$  is a potent immuno-modulator which mediates a wide range of immune and inflammatory responses. The purified BL1a-72 antibody is useful as the capture antibody in a sandwich ELISA when used in conjunction with the biotinylated BL1a-89 antibody as the detection antibody and recombinant mouse IL-1 $\alpha$  (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 $\alpha$	rm IL-1 $\alpha$	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
	Biotin anti-mouse IL-1 $\alpha$	BL1a-89	ELISA Detection, ELISPOT Detection, IP, WB



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