

IL-1 beta Polyclonal Antibody, Biotin, eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466924

Applications	Tested Dilution	Publications
ELISA (ELISA)	1-6 µg/mL	16 Publications

Product Specific Information

Description: The biotinylated polyclonal rabbit antibody reacts with mouse interleukin-1beta (IL-1beta), a 17 kDa factor secreted primarily by monocytes. IL-1 has effects on T-helper cells, inducing IL-2 secretion and expression of IL-2 receptors. IL-1 has effects on B cells, promoting cell proliferation and immunoglobulin synthesis.

Applications Reported: Biotin anti-mouse interleukin-1 beta (IL-1 beta) has been reported for use as the detection antibody for a mouse IL-1 beta ELISA.

Applications Tested: The biotinylated polyclonal rabbit anti-mouse IL-1 beta antibody has been tested as the detection antibody in a sandwich ELISA for analysis of mouse IL-1 beta in combination with the unlabelled B122 (14-7012) antibody for capture and recombinant mouse IL-1 beta (14-8012) as the standard. A suitable range of concentrations of this antibody for ELISA detection is 1.0 - 6.0 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 2000 pg/mL - 15 pg/mL should be included in each ELISA plate.

Filtration: 0.2 µm post-manufacturing filtered.

ELISA (16)

Nature communications

Identification of a herpes simplex virus 1 gene encoding neurovirulence factor by chemical proteomics.

"13-7112 was used in an ELISA assay to identify nine previously cryptic orphan protein coding sequences whose translated products are expressed in HSV-1-infected cells."

Authors: Kato A, Adachi S, Kawano S, Takeshima K, Watanabe M, Kitazume S, Sato R, Kusano H, Koyanagi N, Maruzuru Y, Aii J, Hatta T, Natsume T, Kawaguchi Y

Species
Mouse

Dilution
1:500

Year
2020

Redox biology

Electrophilic Nrf2 activators and itaconate inhibit inflammation at low dose and promote IL-1 production and inflammatory apoptosis at high dose.

"13-7112 was used in an ELISA assay to find that exposure of bone marrow-derived dendritic cells (BMDCs) to low concentrations of a variety of electrophilic Nrf2 activators including itaconate prior to Toll-like receptor (TLR) stimulation inhibits transcription of pro-inflammatory cytokines (such as interleukin [IL]-12 and IL-1) by activation of Nrf2."

Authors: Muri J, Wolleb H, Broz P, Carreira EM, Kopf M

Species
Mouse

Dilution
Not Cited

Year
2020

[View more ELISA references on thermofisher.com](#)

More applications with references on thermofisher.com

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