

IL-1 beta Monoclonal Antibody (CRM57), Biotin, eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	CRM57
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_466894

Applications	Tested	Dilution	Published
Miscellaneous PubMed (MISC)	-		2 Publications
Peptide Array (Array)	-		1 Publication
ELISA (ELISA)	✓	0.25-1 µg/mL	1 Publication

Product Specific Information

Description: The CRM57 antibody reacts with human and baboon interleukin-1beta (IL-1beta). IL-1beta is 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: The CRM57 antibody has been reported for use in ELISA and ELISPOT.

Applications Tested: The CRM57 antibody has been tested as the detection antibody in a sandwich ELISA for analysis of human interleukin-1 beta (IL-1 beta) in combination with the purified CRM56 (14-7018) for capture and recombinant human IL-1 beta (14-8018) as the standard. A suitable range of concentrations of this antibody for use in ELISA detection is 0.25 -1 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/mL - 8 pg/mL should be included in each ELISA plate.

Filtration: 0.2 µm post-manufacturing filtered.

4 References

Miscellaneous PubMed (2)

<p>PloS one</p> <p>A microfluidic platform for high-throughput multiplexed protein quantitation.</p> <p>"13-7016 was used in Antibody array to test a novel device for quantifying biomarkers in multiple samples by immunoassay."</p> <p>Authors: Volpetti F,Garcia-Cordero J,Maerkl SJ</p>	<p>Species Human</p> <p>Dilution Not Cited</p> <p>Year 2016</p>
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<p>Biomicrofluidics</p> <p>Fiber composite slices for multiplexed immunoassays.</p> <p>"13-7016 was used in Immuno-assay to describe a new type of low-cost fabrication method for a scalable immunoassay platform based on cotton threads."</p> <p>Authors: Kim J,Bae S,Song S,Chung K,Kwon S</p>	<p>Species Human</p> <p>Dilution Not Cited</p> <p>Year 2015</p>
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Peptide Array (1)

<p>PloS one</p> <p>A microfluidic platform for high-throughput multiplexed protein quantitation.</p> <p>"13-7016 was used in Antibody array to test a novel device for quantifying biomarkers in multiple samples by immunoassay."</p> <p>Authors: Volpetti F,Garcia-Cordero J,Maerkl SJ</p>	<p>Species Human</p> <p>Dilution Not Cited</p> <p>Year 2016</p>
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ELISA (1)

<p>Journal of the American Chemical Society</p> <p>Rapid, multiparameter profiling of cellular secretion using silicon photonic microring resonator arrays.</p> <p>"13-7016 was used in an ELISA assay to profile cellular secretion using silicon photonic microring resonator arrays."</p> <p>Authors: Luchansky MS,Bailey RC</p>	<p>Species Human</p> <p>Dilution Not Cited</p> <p>Year 2011</p>
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