

IL-10 Monoclonal Antibody (JES5-2A5), Biotin, eBioscience™

Product Details

Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	JES5-2A5
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466918

Applications

Tested Dilution

Publications

Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	0.5-2 µg/mL	6 Publications
Neutralization (Neu)	-	2 Publications

Product Specific Information

Description: The JES5-2A5 antibody reacts with mouse interleukin-10 (IL-10). The JES5-2A5 antibody is a neutralizing antibody. Mouse IL-10 is an 18 kDa factor also known as Cytokine Synthesis Inhibitory Factor (CSIF). In the mouse, Th2 cells, B1 cells, macrophages, and keratinocytes are the major cell subsets that produce IL-10. IL-10 inhibits synthesis of Th1 cytokines and proliferation of T cells, and acts as a costimulatory signal for mast cells, developing thymocytes and the Th2 response.

Applications Reported: The JES5-2A5 antibody has been reported for use in ELISA, ELISPOT, neutralization of IL-10 bioactivity, and intracellular staining for flow cytometric analysis.

Applications Tested: The JES5-2A5 antibody has been tested as the detection antibody in a sandwich ELISA for analysis of mouse Interleukin-10 (IL-10) in combination with the purified JES5-16E3 (14-7101) antibody for capture and recombinant mouse IL-10 (14-8101) as the standard. A suitable range of concentrations of this antibody for ELISA detection is 0.5-2.0 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 4000 pg/mL - 30 pg/mL should be included in each ELISA plate.

Filtration: 0.2 µm post-manufacturing filtered.

Flow Cytometry (1)

<p>PloS one</p> <p>Osteoclast activated FoxP3+ CD8+ T-cells suppress bone resorption in vitro.</p> <p>"13-7102 was used in Flow cytometry/Cell sorting to demonstrate the effects of activated CD8 T cell-produced cytokines on osteoclast activity."</p> <p>Authors: Buchwald ZS,Kiesel JR,DiPaolo R,Pagadala MS,Aurora R</p>	<p>Year 2012</p> <p>Species Mouse</p>
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ELISA (6)

<p>Scientific reports</p> <p>Analysis of the Trichuris suis excretory/secretory proteins as a function of life cycle stage and their immunomodulatory properties.</p> <p>"13-7102 was used in an ELISA assay to analyse the Trichuris suis excretory/secretory proteins as a function of life cycle stage and their immunomodulatory properties."</p> <p>Authors: Leroux LP,Nasr M,Valanparambil R,Tam M,Rosa BA,Siciliani E,Hill DE,Zarlenga DS,Jaramillo M,Weinstock JV, Geary TG,Stevenson MM,Urban JF,Mitreva M,Jardim A</p>	<p>Year 2018</p> <p>Species Mouse</p>
<p>PloS one</p> <p>IFNGR1 signaling is associated with adverse pregnancy outcomes during infection with malaria parasites.</p> <p>"13-7102 was used in an ELISA assay to explore the role of IFN- receptor 1 signalling in placental pathology during severe malaria using luciferase-expressing rodent malaria parasites, P. berghei NK65."</p> <p>Authors: Niikura M,Inoue SI,Mineo S,Asahi H,Kobayashi F</p>	<p>Year 2017</p> <p>Species Mouse</p>

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Neutralization (2)

<p>Disease models & mechanisms</p> <p>Autocrine IL-10 activation of the STAT3 pathway is required for pathological macrophage differentiation in polycystic kidney disease.</p> <p>"Published figure using IL-10 monoclonal antibody (Product # 13-7102-81) in Neutralization"</p> <p>Authors: Peda JD,Salah SM,Wallace DP,Fields PE,Grantham CJ,Fields TA,Swenson-Fields KI</p>	<p>Year 2016</p>
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