

For Research Use Only

Anti-Mouse IL-1 beta Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98179-1-PBS



Basic Information

Catalog Number: 98179-1-PBS	GenBank Accession Number: NM_008361.4	Purification Method: Protein A purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 16176	CloneNo.: 241364B3
Source: Rabbit	UNIPROT ID: P10749	
Isotype: IgG	Full Name: interleukin 1 beta	
	Calculated MW: 31kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

Background Information

Interleukin-1 is a pro-inflammatory cytokine with multiple biological effects. The IL-1 gene family encodes three proteins: IL-1 α , IL-1 β and their naturally occurring inhibitor IL-1RN. Interleukin 1 β (IL-1 β), mainly produced by blood monocytes and tissue macrophages, has been implicated in mediating both acute and chronic inflammation. IL-1 β is known to be involved in a variety of cellular activities, including cell proliferation, differentiation and apoptosis. IL-1 β is emerging as a key mediator of carcinogenesis that characterizes host-environment interactions (PMID: 8630372; PMID: 12401481; PMID: 23704929; PMID: 24618930).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

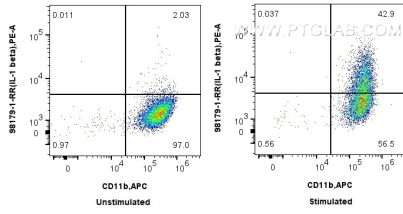
For technical support and original validation data for this product please contact:

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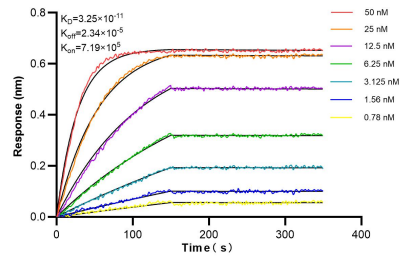
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Selected Validation Data



1x10⁶ untreated or LPS and Brefeldin A treated mouse peritoneal macrophages were intracellularly stained with 0.25 ug Anti-Mouse IL-1 beta Rabbit Recombinant Antibody (98179-1-RR, Clone: 241364B3) and PE-conjugated Goat Anti-Rabbit IgG. Cells were co-stained with APC anti-Mouse CD11b. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 98179-1-



Biolayer interferometry (BLI) kinetic assays of 98179-1-RR against Mouse IL-1 beta/IL-1F2 were performed. The affinity constant is 32.5 pM.