

For Research Use Only

# IL-1 beta Monoclonal antibody

Catalog Number: 60136-1-Ig 14 Publications



## Basic Information

Catalog Number: 60136-1-Ig	GenBank Accession Number: BC008678	Purification Method: Protein G purification
Size: 500 µg/ml	GeneID (NCBI): 3553	CloneNo.: 1C6F12
Source: Mouse	ENSEMBL Gene ID: ENSG00000125538	
Isotype: IgG1	UNIPROT ID: P01584	
Immunogen Catalog Number: AG10295	Full Name: interleukin 1, beta	
	Calculated MW: 269 aa, 31 kDa	

## Applications

Tested Applications:  
ELISA

Cited Applications:  
WB, ELISA

Species Specificity:  
human, mouse

Cited Species:  
human, mouse, rat

## Background Information

Interleukin-1 is a pro-inflammatory cytokine with multiple biological effects. The IL-1 gene family encodes three proteins: IL-1 $\alpha$ , IL-1 $\beta$  and their naturally occurring inhibitor IL-1RN. IL-1 Beta(IL-1 $\beta$ ), mainly produced by blood monocytes and tissue macrophages, has been implicated in mediating both acute and chronic inflammation. IL-1 $\beta$  is known to be involved in a variety of cellular activities, including cell proliferation, differentiation and apoptosis. IL-1 $\beta$  is emerging as a key mediator of carcinogenesis that characterizes host-environment interactions. Human IL-1 $\beta$  is synthesized as a 31 kDa precursor. To gain activity, the precursor must be cleaved by caspase-1 between Asp116 and Ala117 to yield a 17 kDa mature form.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaqiong Wang	25326752	Nat Immunol	WB
Yue Pang	29037260	Cell Commun Signal	WB
Yi Huang	32367047	Nat Cell Biol	WB

## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.

Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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