

For Research Use Only

CoraLite® Plus 488-conjugated IL-1 Beta Polyclonal antibody



Catalog Number: **CL488-16806**

Basic Information

Catalog Number: CL488-16806	GenBank Accession Number: BC008678	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3553	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Source: Rabbit	ENSEMBL Gene ID: ENSG00000125538	
Isotype: IgG	UNIPROT ID: P01584	
Immunogen Catalog Number: AG10295	Full Name: interleukin 1, beta	
	Calculated MW: 269 aa, 31 kDa	
	Observed MW: 30-35 kDa	

Applications

Tested Applications:
Species Specificity:
human

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. IL-1 Beta(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. Human IL-1 β 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.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, 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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