



Rabbit Anti-Human IL1b monoclonal antibody, clone KK198-4 (CABT-L827)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	IL1 beta
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KK198-4
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, FC
Molecular Weight	31 kDa
Cellular Localization	Cytoplasm, Lysosome, Secreted.
Positive Control	A431, Hela, human kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	Two forms of interleukin-1, designated IL-1 α and IL-1 β , have been described. Although encoded by distinct genes and exhibiting roughly only 25% sequence identity, IL-1 α and IL-1 β bind to the same receptor and seem to elicit similar biological responses. IL-1 production is generally thought to be associated with inflammation, but it has also been shown to be expressed during kidney development, thymocyte differentiation and cartilage degradation. IL-1 plays a critical role in the regulation of immune response and inflammation, acting as an activator of T and B lymphocytes and natural killer (NK) cells. In T cells, IL-1 stimulates the production of IL-2 and selectively inhibits IL-4 expression. IL-1 induces B cell proliferation and maturation, and immunoglobulin synthesis. NK cells require IL-1 β for production of the anti-pathogen IFN- γ . IL-1 has also been implicated in several pathological conditions including rheumatoid arthritis, inflammatory bowel disease and atherosclerosis.
Keywords	Catabolin;H1;IL 1;IL 1 beta;IL-1 beta;IL1 BETA;IL1B;IL1B_HUMAN;IL1F2;Interleukin 1 beta;Interleukin-1 beta;OAF;OTTHUMP00000162031;Preinterleukin 1 beta;Pro interleukin 1 beta antibody

GENE INFORMATION

Entrez Gene ID	3553
UniProt ID	P01584
