



# 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

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

**Storage**

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

---

## BACKGROUND

**Introduction**

Two forms of interleukin-1, designated IL-1 $\alpha$  and IL-1 $\beta$ , have been described. Although encoded by distinct genes and exhibiting roughly only 25% sequence identity, IL-1 $\alpha$  and IL-1 $\beta$  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 $\beta$  for production of the anti-pathogen IFN- $\gamma$ . 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](#)

---