



# Human Anti-Human IL-1B (Canakinumab) Monoclonal antibody, clone Canakinumab (CABT-CS582)

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

## PRODUCT INFORMATION

<b>Specificity</b>	IL1B
<b>Target</b>	IL1B
<b>Isotype</b>	IgG4
<b>Source/Host</b>	Human
<b>Species Reactivity</b>	Human
<b>Clone</b>	Canakinumab
<b>Purification</b>	Protein A
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA
<b>Format</b>	Liquid
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.4. Contains no stabilizers or preservatives
<b>Preservative</b>	None
<b>Storage</b>	2 weeks, 2-8°C under sterile conditions after reconstitution. Avoid repeated freeze-thaw. -80°C for a long-term storage.

# BACKGROUND

Introduction	Interleukin-1 beta (IL-1 beta) is a proinflammatory cytokine expressed by monocytes, macrophages, and dendritic cells. It is synthesized in response to inflammatory stimuli as a 31 kDa inactive pro-form that accumulates in the cytosol. Cleavage of pro-IL-1 beta into the active 17 kDa protein requires the activation of inflammasomes, which are multi-protein complexes that respond to pathogens, stress conditions, and other danger signals. Inflammasome activation triggers the processing of the caspase-1 precursor into its active form, which in turn cleaves pro-IL-1 beta.
Keywords	IL1B; IL1-BETA; IL-1B; IL-1 beta; Interleukin-1 beta