



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

Specificity	IL1B
Target	IL1B
Isotype	IgG4
Source/Host	Human
Species Reactivity	Human
Clone	Canakinumab
Purification	Protein A
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Size	1 mg
Buffer	PBS, pH 7.4. Contains no stabilizers or preservatives
Preservative	None
Storage	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