

Human IL-1 Beta/IL-1F2 Protein

Cat. No. IL1-HE00B



Description

Source	Recombinant Human IL-1 Beta/IL-1F2 Protein is expressed from E.coil without tag. It contains Ala117-Ser269.
Accession	P01584
Molecular Weight	The protein has a predicted MW of 17.5 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

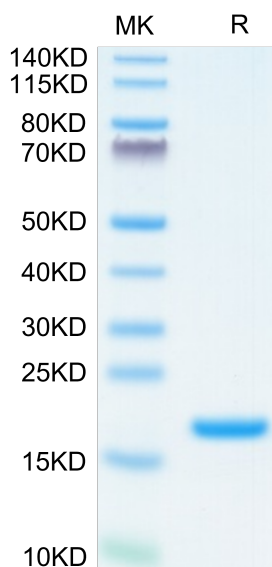
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Interleukin-1 beta (IL-1 β) is induced by inflammatory signals in a broad number of immune cell types. IL-1 β (and IL-18) are the only cytokines which are processed by caspase-1 after inflammasome-mediated activation. IL-1 signaling activates innate immune cells including antigen presenting cells, and drives polarization of CD4 T cells towards T helper type (Th) 1 and Th17 cells.

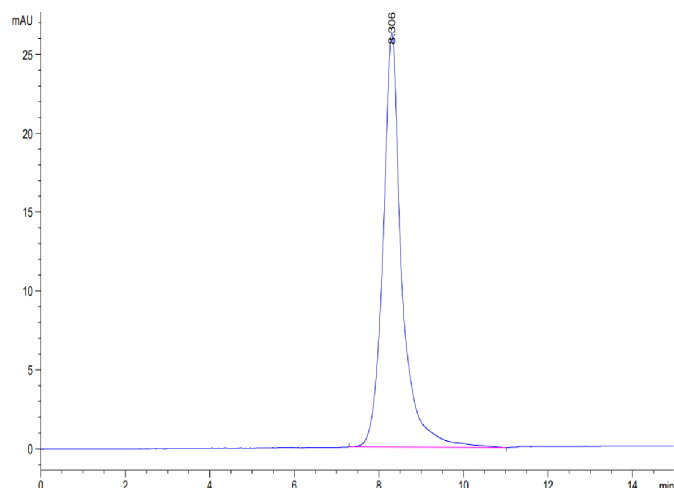
Assay Data

Bis-Tris PAGE



Human IL-1 Beta on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human IL-1 Beta is greater than 95% as determined by SEC-HPLC.