

Rev03
 Update: Aug,08,2025

DATASHEET

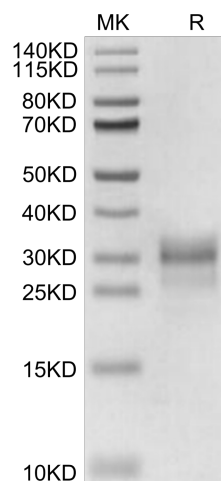
IL-1 alpha/IL-1A, His, Cynomolgus

Cat. No.: Z04818

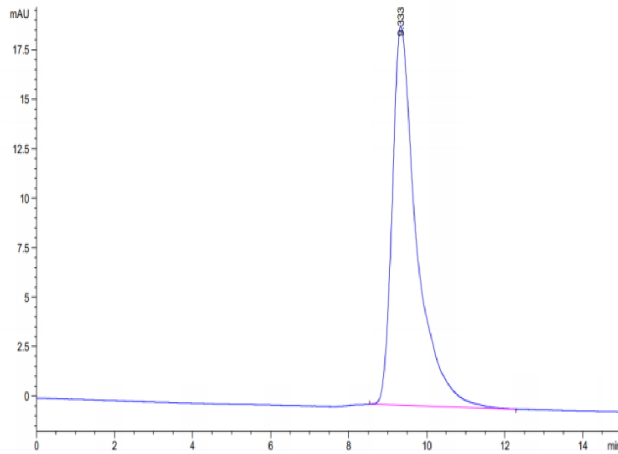
Product Introduction

Species	Cynomolgus
Protein Construction	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> IL-1 alpha/IL-1A (Ser113-Ala271) Accession # P79340 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> His </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	19.23 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 25-35 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



IL-1 alpha/IL-1A, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of IL-1 alpha/IL-1A, His, Cynomolgus is greater than 95% as determined by SEC-HPLC.

Background

Target Background : The interleukin (IL)-1 family of cytokines is currently comprised of 11 members that have pleiotropic functions in inflammation and cancer. IL-1 α and IL-1 β were the first members of the IL-1 family to be described, and both signal via the same receptor, IL-1R. Over the last decade, much progress has been made in our understanding of biogenesis of IL-1 β and its functions in human diseases.

Synonyms : Interleukin-1 alpha; IL-1 alpha; Hematopoietin-1; IL1A; IL1F1; IL-1 ALPHA; IL1 α ; IL-1A; IL1

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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