

Human IL-18RAP/IL-18 R beta Protein

Cat. No. IL8-HM1AP

Description

Source	Recombinant Human IL-18RAP/IL-18 R beta Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe20-Arg356.
Accession	O95256-1
Molecular Weight	The protein has a predicted MW of 39.3 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on 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

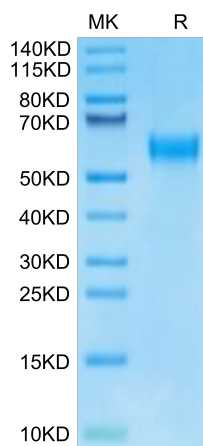
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

lactoferrin (LTF), peptidoglycan recognition protein 1 and IL-18 receptor accessory protein (IL-18RAP) remained significantly elevated in peripheral monocytes of hypertensive individuals in a separate validation cohort. Interestingly, IL18RAP expression associated with MAP in a cohort of African Americans..

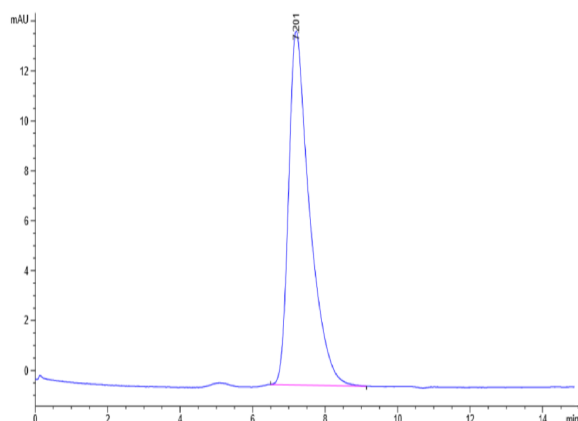
Assay Data

Bis-Tris PAGE



Human IL-18RAP on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



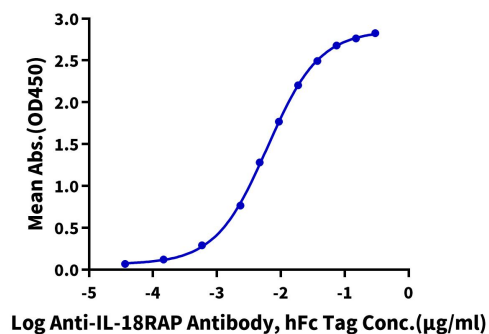
The purity of Human IL-18RAP is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human IL-18RAP, His Tag ELISA

0.1µg Human IL-18RAP, His Tag Per Well



Immobilized Human IL-18RAP, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-18RAP Antibody, hFc Tag with the EC50 of 6.2ng/ml determined by ELISA (QC Test).