

# Cynomolgus IL-18BP Protein

Cat. No. IL8-CM1BP

## Description

<b>Source</b>	Recombinant Cynomolgus IL-18BP Protein is expressed from HEK293 with His tag at the C-Terminus It contains Thr28-Pro207.
<b>Accession</b>	A0A2K5UDJ4
<b>Molecular Weight</b>	The protein has a predicted MW of 21.14 kDa. Due to glycosylation, the protein migrates to 35-65 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 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

Cytokines were the first modern immunotherapies to produce durable responses in patients with advanced cancer, components of the interleukin-18 (IL-18) pathway are upregulated on tumour-infiltrating lymphocytes, suggesting that IL-18 therapy could enhance anti-tumour immunity. IL-18BP, a high-affinity IL-18 decoy receptor, is frequently upregulated in diverse human and mouse tumours and limits the anti-tumour activity of IL-18 in mice.

## Assay Data

### Bis-Tris PAGE

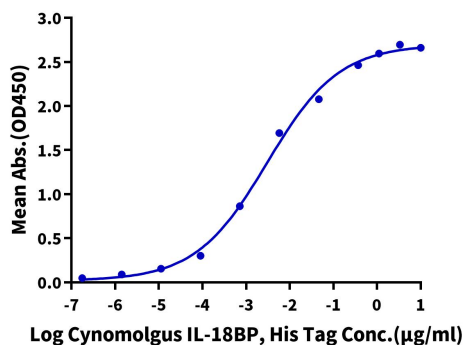


Cynomolgus IL-18BP on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

#### Cynomolgus IL-18BP, His Tag ELISA

0.1µg Human IL-18, No Tag Per Well



Immobilized Human IL-18, No Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Cynomolgus IL-18BP, His Tag with the EC50 of 3.0 ng/ml determined by ELISA (QC Test).