

# Cynomolgus IL-8/CXCL8 Protein, Ultra Low Endotoxin

Cat. No. IL8-CM108-UL

## Description

<b>Source</b>	Recombinant Cynomolgus IL-8/CXCL8 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala23-Pro100.
<b>Accession</b>	A0A2K5TUL7
<b>Molecular Weight</b>	The protein has a predicted MW of 10.12 kDa. Due to glycosylation, the protein migrates to 12-14 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

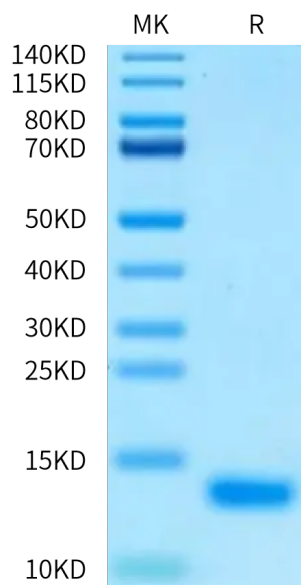
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</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

Interleukin-8 (IL-8) has been revealed as a critical regulator of CNS function and development with participation in many CNS disorders including gliomas. Several promising approaches that target directly or indirectly IL-8 effects in gliomas are currently in progress while more-in-depth studies are needed to validate its biomarker role and elucidate the underlying molecular mechanisms.

## Assay Data

### Bis-Tris PAGE

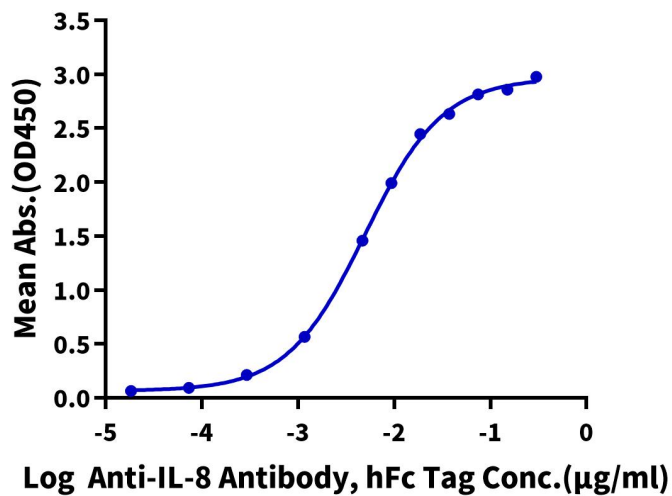


Cynomolgus IL-8 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

### Cynomolgus IL-8, His Tag ELISA

0.1µg Cynomolgus IL-8, His Tag Per Well



Immobilized Cynomolgus IL-8, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-8 Antibody, hFc Tag with the EC50 of 5.0ng/ml determined by ELISA (QC Test).