

Human IL-8/CXCL8 Protein

Cat. No. IL8-HM1RA

Description

Source	Recombinant Human IL-8/CXCL8 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser28-Ser99.
Accession	P10145-1
Molecular Weight	The protein has a predicted MW of 9.5 kDa. Due to glycosylation, the protein migrates to 11-13 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

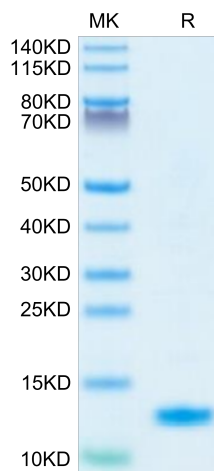
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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

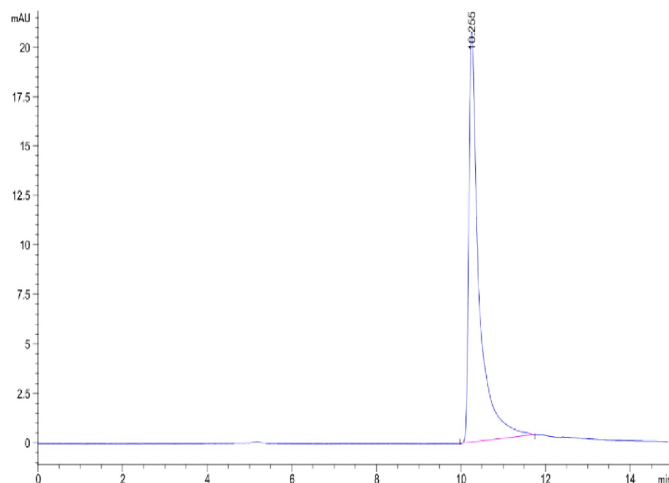
Tris-Bis PAGE



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

SEC-HPLC

Assay Data

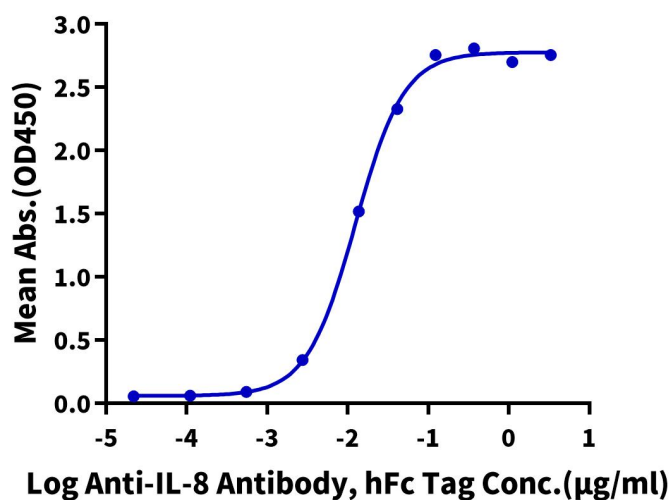


The purity of Human IL-8 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human IL-8, His Tag ELISA

0.05µg Human IL-8, His Tag Per Well



Immobilized Human IL-8, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-8 Antibody, hFc Tag with the EC50 of 12.5ng/ml determined by ELISA.