

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 Bis-Tris PAGE result.
Endotoxin	Less than 1 EU 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 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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

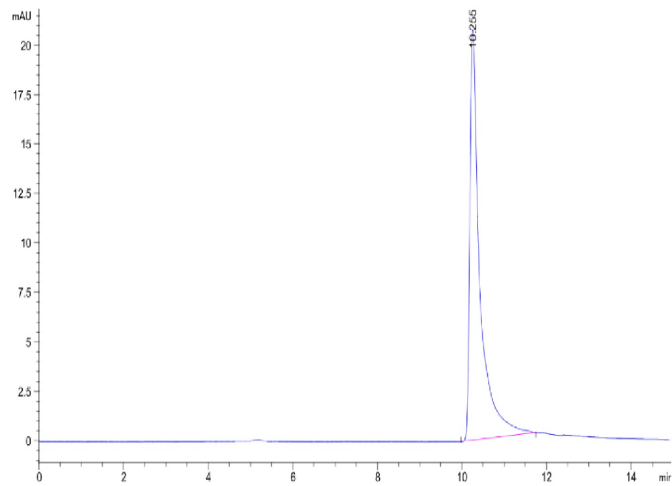
Bis-Tris PAGE



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

SEC-HPLC

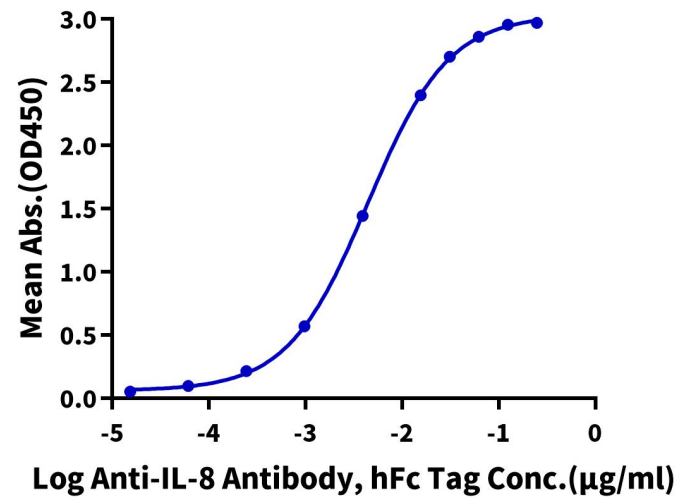
Assay Data



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

ELISA Data

Human IL-8, His Tag ELISA
0.1µg Human IL-8, His Tag Per Well



Immobilized Human 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 4.4ng/ml determined by ELISA.