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Datasheet for ABIN7454155
IL-8 Protein (AA 23-100) (His tag)

Overview

Quantity:	100 µg
Target:	IL-8 (IL8)
Protein Characteristics:	AA 23-100
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-8 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus IL-8/CXCL8 Protein
Sequence:	Ala23-Pro100
Characteristics:	Recombinant Cynomolgus IL-8/CXCL8 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala23-Pro100.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus 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 13.0ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IL-8 (IL8)
Alternative Name:	IL-8 (IL8 Products)
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.
Molecular Weight:	10.12 kDa. Due to glycosylation, the protein migrates to 12-14 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5TUL7
Pathways:	TLR Signaling , Cellular Response to Molecule of Bacterial Origin , Regulation of G-Protein Coupled Receptor Protein Signaling , ER-Nucleus Signaling , Hepatitis C , Autophagy

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months 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.
Expiry Date:	12 months