

Datasheet for ABIN7013452

IL-8 Protein (AA 28-99) (Fc Tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL-8 (IL8)
Protein Characteristics:	AA 28-99
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-8 protein is labelled with Fc Tag.

Product Details

Characteristics:	Human IL-8 / CXCL8 Protein, Fc Tag
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL-8 (IL8)
Alternative Name:	IL-8 (IL8 Products)
Background:	Interleukin 8 (IL8 or chemokine (C-X-C motif) ligand 8, CXCL8) is a chemokine produced by macrophages and other cell types such as epithelial cells, airway smooth muscle cells and endothelial cells. There are many receptors on the surface membrane capable of binding IL-8, the most frequently studied types are the G protein-coupled serpentine receptors CXCR1 and

Target Details

CXCR2. Expression and affinity for IL-8 differs between the two receptors (CXCR1 > CXCR2). IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.

Molecular Weight:	34.8 kDa
NCBI Accession:	NP_000575
Pathways:	TLR Signaling , Cellular Response to Molecule of Bacterial Origin , Regulation of G-Protein Coupled Receptor Protein Signaling , ER-Nucleus Signaling , Hepatitis C , Autophagy

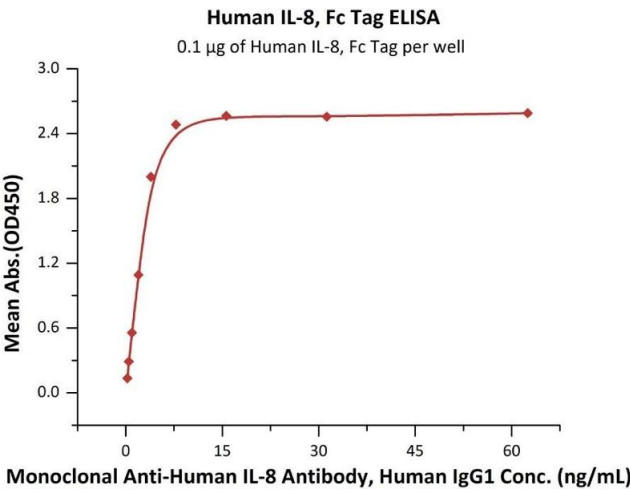
Application Details

Restrictions:	For Research Use only
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Handling

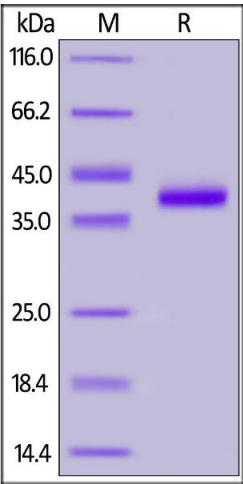
Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH 7.5
Storage:	-20 °C

Images



ELISA

Image 1. Immobilized Human IL-8, Fc Tag (ABIN6973134) at 1 µg/mL (100 µL/well) can bind Monoclonal A IL-8 Antibody, Human IgG1 with a linear range of 0.2-4 ng/mL (QC tested).



SDS-PAGE

Image 2. Human IL-8, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .