

Datasheet for ABIN6388246
IL6RA Protein (AA 20-365) (Fc Tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	IL6RA
Protein Characteristics:	AA 20-365
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL6RA protein is labelled with Fc Tag.

Product Details

Sequence:	AA 20-365
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL6RA
Alternative Name:	IL-6 R alpha (IL6RA Products)
Background:	Interleukin 6 receptor (IL6R) is also known as CD126 (Cluster of Differentiation 126) , is a potent pleiotropic cytokine that regulates cell growth and differentiation of various tissues, and is known particularly for its role in the immune response and acute phase reactions. IL6R is a protein complex consisting of a IL-6 receptor subunit (IL6R) and interleukin 6 signal transducer

Target Details

Glycoprotein 130. IL6R also denotes the human gene encoding this subunit. Alternatively spliced transcript variants encoding distinct isoforms have been reported. IL6R subunit also shared by many other cytokines. The soluble form of IL6R arises from proteolytic cleavage of membrane-bound IL6R α , and acts agonistically by making the IL6 ligand accessible to the signal transducer gp130. Dysregulated production of IL6 and IL6R are implicated in the pathogenesis of several inflammatory diseases and malignancies such as multiple myeloma, rheumatoid arthritis, or osteoporosis, and it has been reported that a humanized anti-IL6R monoclonal antibody is a promising agent applicable to the therapeutic approach for IL6 driven diseases. Interleukin-6 receptor has been shown to interact with Interleukin 6 and Ciliary neurotrophic factor.

Molecular Weight: 65.0 kDa

NCBI Accession: [NP_000556](#)

Pathways: [JAK-STAT Signaling](#), [Autophagy](#), [Growth Factor Binding](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

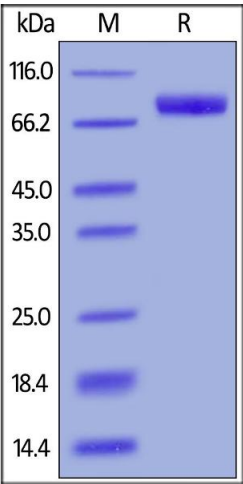
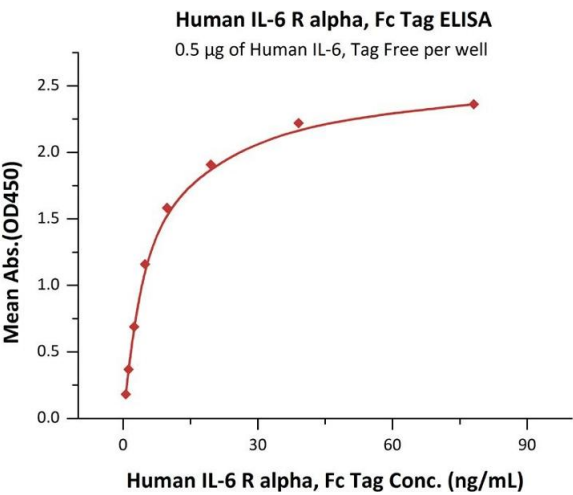
Handling

Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



ELISA

Image 1. Immobilized Human IL-6, Tag Free (ABIN2181322,ABIN3071739) at 5 µg/mL (100 µL/well) can bind Human IL-6 R alpha, Fc Tag (ABIN6386441,ABIN6388246) with a linear range of 1-20 ng/mL (QC tested).

SDS-PAGE

Image 2. Human IL-6 R alpha, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .