

Datasheet for ABIN2181388

IL2 Receptor beta Protein (AA 27-239) (Fc Tag)[Go to Product page](#)**3** Images

Overview

Quantity:	50 µg
Target:	IL2 Receptor beta (IL2RB)
Protein Characteristics:	AA 27-239
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL2 Receptor beta protein is labelled with Fc Tag.

Product Details

Sequence:	AA 27-239
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 50.7 kDa. The protein migrates as 60-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL2 Receptor beta (IL2RB)
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Target Details

Alternative Name: IL-2 R beta ([IL2RB Products](#))

Background: Interleukin-2 receptor subunit beta (IL2RB) is also known as CD122, which belongs to the type I cytokine receptor family. Type 4 subfamily. IL2RB contains 1 fibronectin type-III domain. IL2RB / CD122 is involved in T cell-mediated immune responses, is present in 3 forms with respect to ability to bind interleukin 2. The low affinity form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-mediated endocytosis and transduction of mitogenic signals from interleukin 2.

Molecular Weight: 50.7 kDa

NCBI Accession: [NP_000869](#)

Pathways: [JAK-STAT Signaling](#), [Growth Factor Binding](#)

Application Details

Restrictions: For Research Use only

Handling

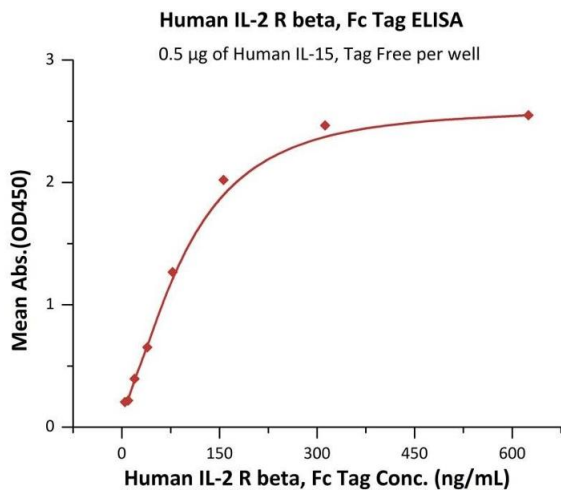
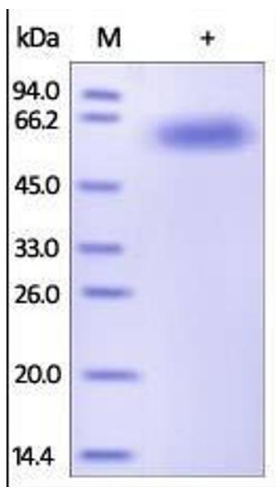
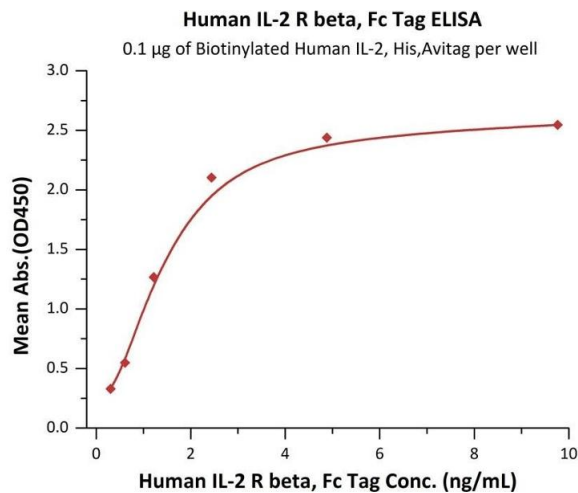
Format: Lyophilized

Buffer: 50 mM Tris, 100 mM Glycine, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



ELISA

Image 1. Immobilized Biotinylated Human IL-2, His,Avitag (ABIN6938917,ABIN6950990) at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Human IL-2 R beta, Fc Tag (ABIN2181388,ABIN2181387) with a linear range of 0.3-2 ng/mL (Routinely tested).

SDS-PAGE

Image 2.

ELISA

Image 3. Immobilized Human IL-2 R beta, Fc Tag (ABIN2181388,ABIN2181387) at 5 µg/mL (100 µL/well) can bind Human IL-15, Tag Free (ABIN6386427,ABIN6388244) with a linear range of 5-156 ng/mL (Routinely tested).