

Datasheet for ABIN2181381
CD25 Protein (AA 22-213) (Fc Tag)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	CD25 (IL2RA)
Protein Characteristics:	AA 22-213
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD25 protein is labelled with Fc Tag.

Product Details

Sequence:	AA 22-213
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 48.4 Kda. The protein migrates as 60-75 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:	CD25 (IL2RA)
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Target Details

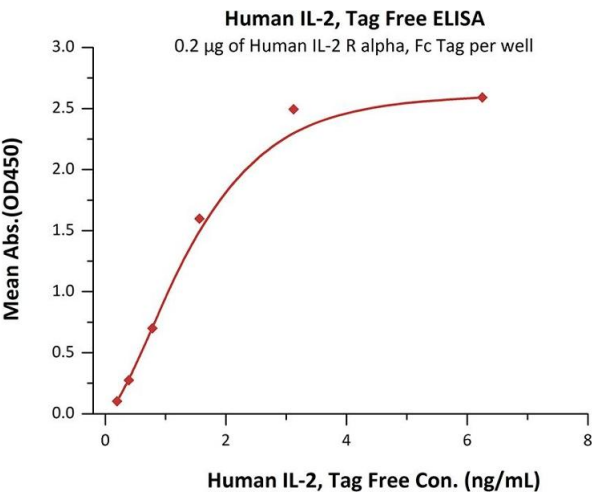
Alternative Name:	IL-2 R alpha (IL2RA Products)
Background:	<p>Interleukin-2 receptor subunit alpha (IL2RA) is also known as IL-2R subunit alpha, IL-2-RA, IL2-RA, TAC antigen, p55, CD antigen CD25, is a type I transmembrane glycoprotein. IL2RA is expressed on activated T cells and regulatory T cells, and is capable of binding IL2 with low affinity by itself. However, a ligand-induced high affinity heterotrimeric receptor complex is produced when IL2RA is associated non-covalently with the IL2 receptor beta and gamma chain, and subsequently initiates the intracellular signal pathways such as MAPK or JAK/STAT. On dendritic cells (DC), CD25 has been previously regarded as an activation marker, while both murine and human DC can express CD25, they do not express the beta-chain of the IL-2 receptor, which is indispensable for the execution of IL-2 signaling.</p>
Molecular Weight:	48.4 kDa
NCBI Accession:	NP_000408
Pathways:	JAK-STAT Signaling , Growth Factor Binding , Activated T Cell Proliferation

Application Details

Restrictions:	For Research Use only
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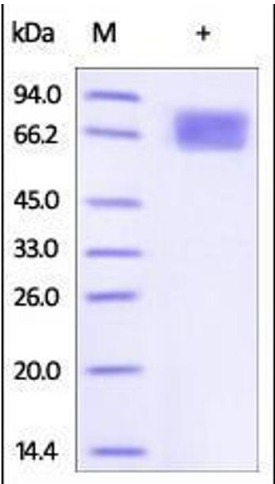
Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, 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).



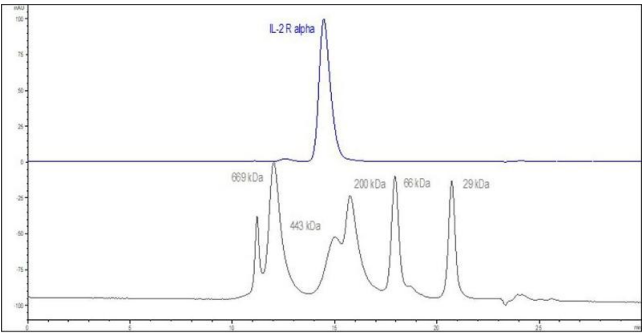
ELISA

Image 1. Immobilized Human IL-2 R alpha, Fc Tag (ABIN2181382,ABIN2181381) at 2 µg/mL (100 µL/well) can bind Human IL-2, Tag Free (ABIN6386425,ABIN6388245) with a linear range of 0.2-1.56 ng/mL (QC tested).



SDS-PAGE

Image 2.



High Pressure Liquid Chromatography

Image 3. The purity of Human IL-2 R alpha Protein, Fc Tag (Hied) (ABIN2181382,ABIN2181381) was greater than 90 % as determined by .