

Datasheet for ABIN6809868  
**CD25 Protein (AA 22-236) (His tag)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	CD25 (IL2RA)
Protein Characteristics:	AA 22-236
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD25 protein is labelled with His tag.

## Product Details

Sequence:	AA 22-236
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	CD25 (IL2RA)
Alternative Name:	IL-2 R alpha ( <a href="#">IL2RA Products</a> )
Background:	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

## Target Details

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.

Molecular Weight: 26.6 kDa

NCBI Accession: [NP\\_032393](#)

Pathways: [JAK-STAT Signaling](#), [Growth Factor Binding](#), [Activated T Cell Proliferation](#)

## Application Details

Restrictions: For Research Use only

## Handling

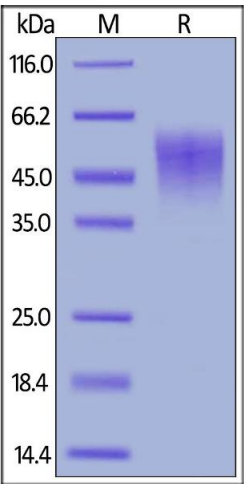
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

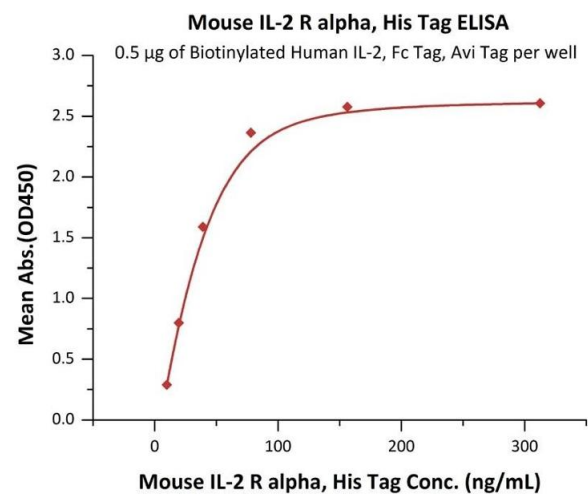
Storage: -20 °C

## Images



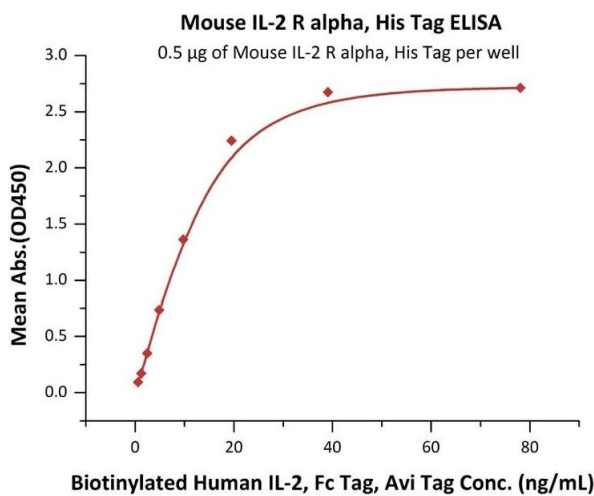
### SDS-PAGE

**Image 1.** Mouse IL-2 R alpha, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .



ELISA

**Image 2.** Immobilized Biotinylated Human IL-2, Fc Tag, Avi Tag (ABIN6731255,ABIN6809921) at 5 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind Mouse IL-2 R alpha, His Tag (ABIN6731244,ABIN6809868) with a linear range of 5-40 ng/mL (QC tested).



ELISA

**Image 3.** Immobilized Mouse IL-2 R alpha, His Tag (ABIN6731244,ABIN6809868) at 5 µg/mL (100 µL/well) can bind Biotinylated Human IL-2, Fc Tag, Avi Tag (ABIN6731255,ABIN6809921) with a linear range of 0.6-10 ng/mL (Routinely tested).