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Datasheet for ABIN6938872

## IL13RA2 Protein (AA 27-343) (His tag)

### 3 Images

#### Overview

Quantity:	100 µg
Target:	IL13RA2
Protein Characteristics:	AA 27-343
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL13RA2 protein is labelled with His tag.

#### Product Details

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

#### Target Details

Target:	IL13RA2
Alternative Name:	IL-13 R alpha 2 ( <a href="#">IL13RA2 Products</a> )
Background:	Interleukin-13 receptor subunit alpha-2 is also known as IL13Ra2, IL13Ra2 cluster of differentiation 213A2, CD213A2, CT19, IL-13R, IL13BP, and is a membrane bound protein that in humans is encoded by the IL13RA2 gene. IL13Ra2 is closely related to IL13Ra1, a subunit of the interleukin-13 receptor complex. This protein binds IL13 with high affinity, but lacks any significant cytoplasmic domain, and does not appear to function as a signal mediator. It is,

## Target Details

however able to regulate the effects of both IL13 and IL4, despite the fact it is unable to bind directly to the latter. It is also reported to play a role in the internalization of IL13. IL13R $\alpha$ 2 is a component of the cell surface receptors, however, the majority exists in intracellular pools and in soluble form, and thus plays an opposite role as a potent IL13 antagonist compared with IL13R $\alpha$ 1. It also functions as an inhibitor of IL4-dependent pathway probably through the physical interaction between the short intracellular domain of and cytoplasmic domain of IL13R $\alpha$ 2 and the IL4R $\alpha$  chain. In spite of the failed STAT signaling function, IL13R $\alpha$ 2 dose induce TGF-beta production and fibrosis. Additionally, IL13R $\alpha$ 2has been reported to be abundantly and specifically overexpressed in glioblastoma multiforme.

Molecular Weight: 39.0 kDa

NCBI Accession: [NP\\_000631](#)

## Application Details

Restrictions: For Research Use only

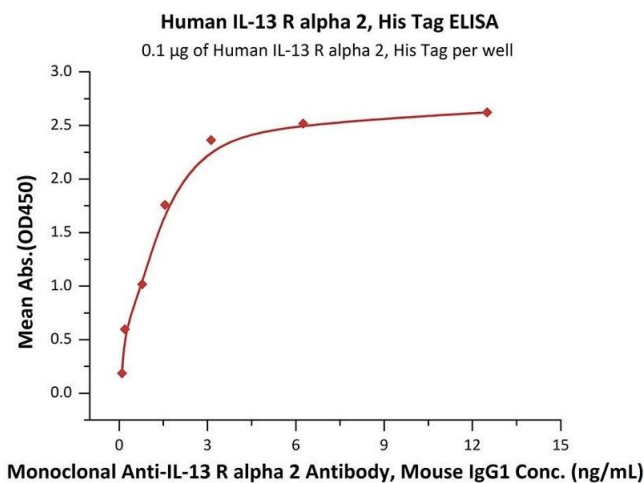
## Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

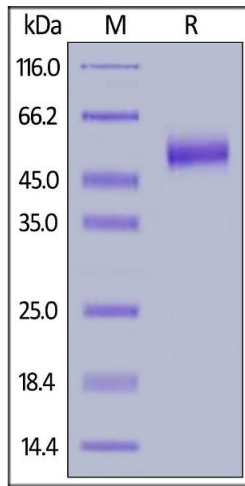
Storage: -20 °C

## Images



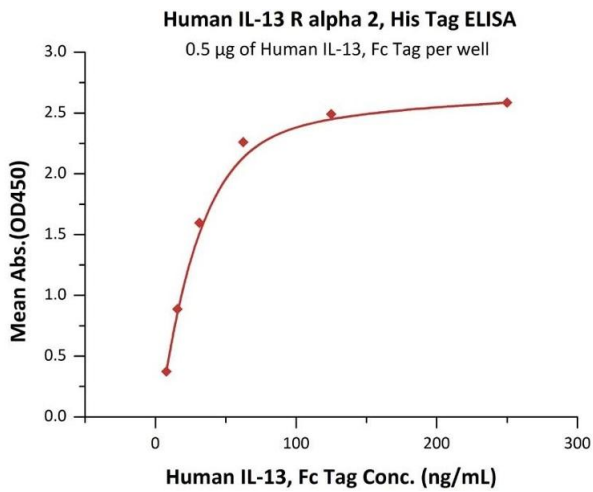
### ELISA

**Image 1.** Immobilized Human IL-13 R alpha 2, His Tag (ABIN6923153,ABIN6938872) at 1  $\mu$ g/mL (100  $\mu$ L/well) can bind Monoclonal Anti-IL-13 R alpha 2 Antibody, Mouse IgG1 with a linear range of 0.1-3 ng/mL (QC tested).



### SDS-PAGE

**Image 2.** Human IL-13 R alpha 2, 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 3.** Immobilized Human IL-13, Fc Tag (ABIN6923159,ABIN6938841) at 5 µg/mL (100 µL/well) can bind Human IL-13 R alpha 2, His Tag (ABIN6923153,ABIN6938872) with a linear range of 4-31 ng/mL (QC tested).