

Datasheet for ABIN6950960

**IL13RA2 Protein (AA 27-343) (FITC,His tag)**[Go to Product page](#)**3** Images

## Overview

Quantity:	200 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 FITC,His tag.

## Product Details

Purity:	>95 % 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 IL13Rα2, 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. IL13Rα2 is closely related to IL13Rα1, 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. IL13Rα2 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 IL13Rα1. 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 α2 and the IL4Rα chain. In spite of the failed STAT signaling function, IL13Rα2 dose induce TGF-beta production and fibrosis. Additionally, IL13Rα2has been reported to be abundantly and specifically overexpressed in glioblastoma multiforme.

Molecular Weight:	39.0 kDa
NCBI Accession:	<a href="#">NP_000631</a>

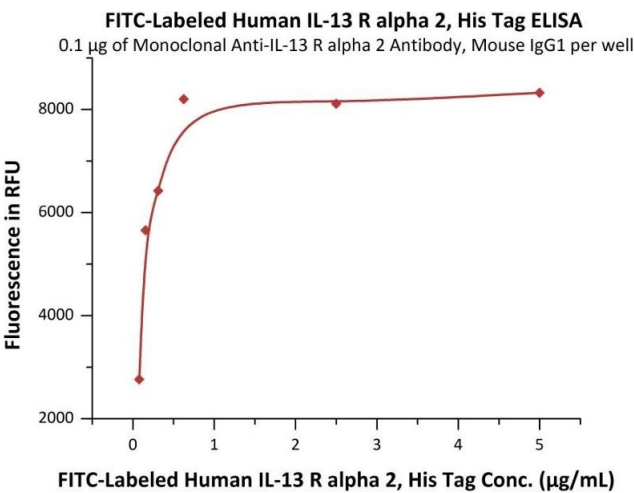
Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

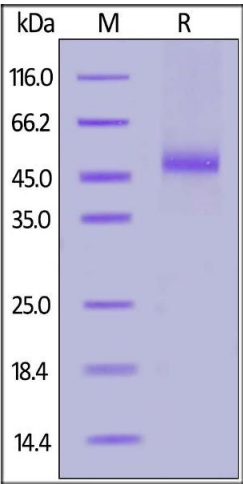
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C

Images



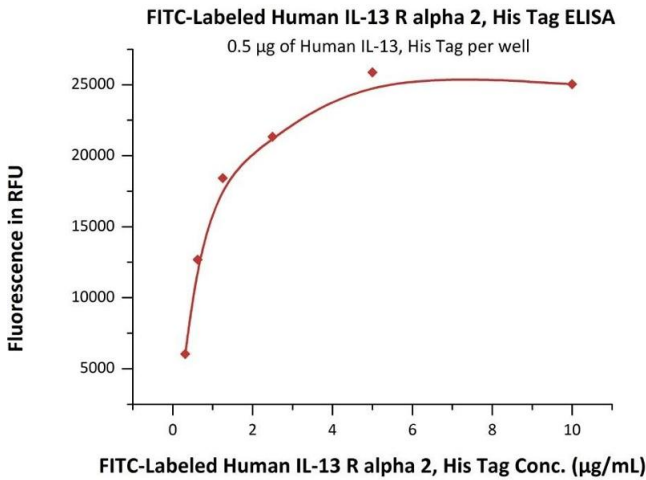
ELISA

**Image 1.** Immobilized Monoclonal Anti-IL-13 R alpha 2 Antibody, Mouse IgG1 at 1 µg/mL (100 µL/well) can bind Fed Human IL-13 R alpha 2, His Tag (ABIN6950960,ABIN6952267) with a linear range of 0.078-0.313 µg/mL (QC tested).



SDS-PAGE

**Image 2.** Fed 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 95 % .



ELISA

**Image 3.** Immobilized Human IL-13, His Tag (ABIN6923160,ABIN6938873) at 5 µg/mL (100 µL/well) can bind Fed Human IL-13 R alpha 2, His Tag (ABIN6950960,ABIN6952267) with a linear range of 0.313-1.25 µg/mL (QC tested).