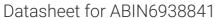
antibodies - online.com







IL-13 Protein (AA 21-132) (Fc Tag)

Images



Overview

Quantity:	50 μg
Target:	IL-13 (IL13)
Protein Characteristics:	AA 21-132
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-13 protein is labelled with Fc 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:	IL-13 (IL13)
Alternative Name:	IL-13 (IL13 Products)
Background:	Interleukin 13 (IL13) is also known as ALRH, BHR1and P600, is a single-chain glycosylated
	polypeptide, and is a cytokine critical in regulating inflammatory and immune responses. IL13 is
	secreted by many cell types, but especially by T helper type 2 (Th2) cells. IL-13 induces its
	effects through a multi-subunit receptor that includes the alpha chain of the IL-4 receptor (IL-4R
	α) and at least one of two known IL-13-specific binding chains. The functions of IL-13 overlap

considerably with those of IL-4, especially with regard to changes induced on hematopoietic cells, but these effects are probably less important given the more potent role of IL-4. IL-13 induces matrix metalloproteinases (MMPs) as part of a mechanism that protects against excessive allergic inflammation that predisposes to asphyxiation. IL-13 induces many features of allergic lung disease, including airway hyperresponsiveness, goblet cell metaplasia and mucus hypersecretion, which all contribute to airway obstruction.

Molecular Weight:

38.8 kDa

Pathways:

JAK-STAT Signaling, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Proton Transport

Application Details

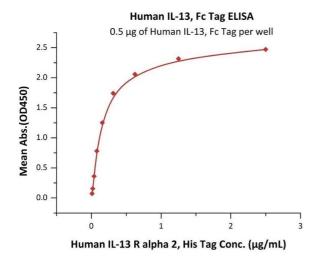
Restrictions:

For Research Use only

Handling

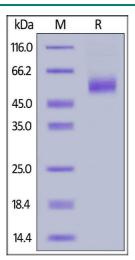
Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Storage:	-20 °C

Images



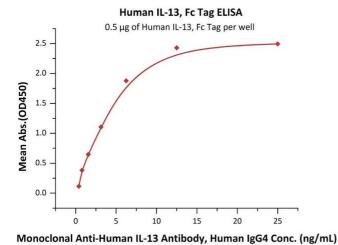
ELISA

Image 1. Immobilized Human IL-13, Fc Tag (ABIN6923159,ABIN6938841) at $5 \mu g/mL$ (100 $\mu L/well$) can bind Human IL-13 R alpha 2, His Tag (ABIN6923153,ABIN6938872) with a linear range of 0.02-0.313 $\mu g/mL$ (Routinely tested).



SDS-PAGE

Image 2. Human IL-13, Fc 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 $5 \mu g/mL$ (100 $\mu L/well$) can bind Monoclonal A IL-13 Antibody, Human IgG4 with a linear range of 0.4-6 ng/mL (QC tested).