# .-online.com antibodies

## Datasheet for ABIN6938873 IL-13 Protein (AA 21-132) (His tag)

3 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 His tag.

## Product Details

Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per $\mu$ g 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
	lpha) and at least one of two known IL-13-specific binding chains. The functions of IL-13 overlap

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6938873 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

## Target Details

	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:	14.2 kDa
Molecular Weight: NCBI Accession:	14.2 kDa NP_002179
NCBI Accession:	NP_002179

## Application Details

Restrictions:

For Research Use only

## Handling

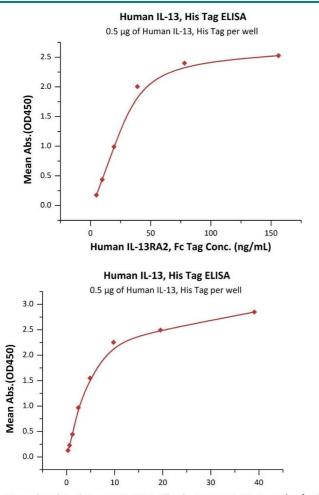
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C

#### Images

kDa	M R
250.0 150.0 100.0 70.0 50.0 40.0 30.0	
20.0	-
15.0	-
10.0 5.0	

#### SDS-PAGE

**Image 1.** Human IL-13, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 %.



Monoclonal Anti-Human IL-13 Antibody, Human IgG4 Conc. (ng/mL)

#### **ELISA**

**Image 2.** Immobilized Human IL-13, His Tag (ABIN6923160,ABIN6938873) at 5 µg/mL (100 µL/well) can bind Human IL-13RA2, Fc Tag with a linear range of 5-39 ng/mL (QC tested).

#### ELISA

**Image 3.** Immobilized Human IL-13, His Tag (ABIN6923160,ABIN6938873) at 5  $\mu$ g/mL (100  $\mu$ L/well) can bind Monoclonal A IL-13 Antibody, Human IgG4 with a linear range of 0.3-5 ng/mL (Routinely tested).

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN6938873 | 09/10/2023 | Copyright antibodies-online. All rights reserved.