

# Product Information

## **MemDX™ Antibody Discovery - Human IL-13 (21-132) Membrane Protein, Partial, -His -Avi tag, [Biotin]**

Cat. No.: **MP0256F**

This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human IL-13 (21-132). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### Host Species

Human

#### Target Protein

IL-13

#### Protein Length

ECD

#### Molecular Weight

The protein has a calculated MW of 15.9 kDa. The protein migrates as 17 kDa and 28-37 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

#### Sequence

AA Gly 21 - Asn 132 (Accession # AAK53823.1).

### Product Description

#### Activity

Yes

#### Application

SDS-PAGE, ELISA

#### Expression Systems

HEK293

#### Tag

His tag the C-terminus, followed by an Avi tag.

#### Protein Format

Soluble

#### Form

LYOPH

### Reconstitution

Please see Certificate of Analysis for specific instructions.

### Endotoxin

<1.0 EU/μg by the LAL method

### Conjugation

Biotin

### Purity

>90% as determined by SDS-PAGE.

### Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

### Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

## Target

### Target Protein

IL-13

### Full Name

interleukin 13

### Introduction

This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4.

### Alternative Names

P600, IL-13, interleukin-13

### Gene ID

[3596](#)

### UniProt ID

[P35225](#)