

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](#)