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Product Information

MemDX™ Antibody Discovery - Human TSLP (29-159) Membrane Protein, Partial, -His -Avi tag, [Biotin]

Cat. No.: **MP0424F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human TSLP (29-159). 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
TSLP

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 18.6 kDa. As a result of glycosylation, the protein migrates as 11 kDa and 18-21 kDa under reducing (R) condition, and 22-28 kDa under non-reducing (NR) condition (SDS-PAGE).

Sequence
AA Tyr 29 - Gln 159 (Accession # Q969D9-1).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA

Expression Systems
HEK293

Tag
His tag at 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

>85% 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 coditions after reconstitution after storage at -80°C.

Target

Target Protein

TSLP

Full Name

thymic stromal lymphopoietin

Introduction

This gene encodes a hemopoietic cytokine proposed to signal through a heterodimeric receptor complex composed of the thymic stromal lymphopoietin receptor and the IL-7R alpha chain. It mainly impacts myeloid cells and induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of CD11c(+) dendritic cells. The protein promotes T helper type 2 (TH2) cell responses that are associated with immunity in various inflammatory diseases, including asthma, allergic inflammation and chronic obstructive pulmonary disease. The protein is therefore considered a potential therapeutic target for the treatment of such diseases. In addition, the shorter (predominant) isoform is an antimicrobial protein, displaying antibacterial and antifungal activity against B. cereus, E. coli, E. faecalis, S. mitis, S. epidermidis, and C. albicans. Alternative splicing of this gene results in multiple transcript variants.

Alternative Names

TSLP, thymic stromal lymphopoietin,

Gene ID

85480

UniProt ID

Q969D9

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