

Product Information

MemDX™ Antibody Discovery - Human IL-4 R alpha / CD124 (26-232) Membrane Protein,

Partial, -His tag

Cat. No.: **MP0873F**

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

This membrane protein is Human IL-4 R alpha / CD124 (26-232). 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-4 R alpha / CD124

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 24.6 kDa. The protein migrates as 36-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Met 26 - His 232 (Accession # NP_000409.1).

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA

Expression Systems

HEK293

Tag

His tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/µg by the LAL method

Purity

>95% 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

Please protect from light and avoid repeated freeze-thaw cycles.

The product must be protected from light;

2-8 ° C for 12 months in liquid state.

Target

Target Protein

IL-4 R alpha / CD124

Full Name

interleukin 4 receptor

Introduction

This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. Allelic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitus, asthma, or eczema. Polymorphisms in this gene are also associated with resistance to human immunodeficiency virus type-1 infection. Alternate splicing results in multiple transcript variants.

Alternative Names

CD124; IL4RA; IL-4RA; interleukin-4 receptor subunit alpha; IL-4 receptor subunit alpha; IL4R nirs variant 1; interleukin 13 receptor; interleukin-4 receptor alpha chain

Gene ID

[3566](#)

UniProt ID

[P24394](#)