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Product Information

MemDX™ Antibody Discovery - Mouse IL-4 R alpha / CD124 (26-233) Membrane Protein, Partial, -His tag

Cat. No.: **MP0870F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Mouse IL-4 R alpha / CD124 (26-233). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Mouse

Target Protein
IL-4 R alpha / CD124

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 26.3 kDa. The protein migrates as 37-45 kDa under reducing (R) condition (SDS-PAGE).

Sequence
AA Ile 26 - Arg 233 (Accession # NP_001008700).

Product Description

Application
SDS-PAGE

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, alpha

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

I; Il4r; CD124; interleukin-4 receptor subunit alpha; IL-4 receptor alpha chain; IL-4 receptor subunit alpha; IL-4R subunit alpha; IL-4R-alpha

Gene ID

16190

UniProt ID

P16382