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Product Information

MemDX™ Antibody Discovery - Mouse IL-4 R alpha / CD124 (26-233) Membrane Protein, Partial, -hIgG1 Fc tag

Cat. No.: **MP0869F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Mouse IL-4 R alpha / CD124 (26-232). 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 51 kDa. The protein migrates as 60-66 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
Human IgG1 Fc tag at the C-terminus

Protein Format
Soluble

Form
LYOPH

Reconstitution

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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 Tris with Glycine, Arginine and NaCl, pH7.5. 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

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