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Product Information

MemDX™ Antibody Discovery - Mouse IL-15 (49-162) Membrane Protein, Partial, -hIgG1 Fc - Avi tag, [Biotin]

Cat. No.: **MP0356F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Mouse IL-15 (49-162). It has been tested in SDS-PAGE, ELISA, Cell based assay. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Mouse

Target Protein
IL-15

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 41.5 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Asn 49 - Ser 162 (Accession # P48346-1).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA, Cell based assay

Expression Systems
HEK293

Tag
Human IgG1 Fc tag at the C-terminus, followed by a 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

>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

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

IL-15

Full Name

interleukin 15

Introduction

This gene encodes a a pleiotropic cytokine of the interleukin family of proteins that plays important roles in the innate and adaptive cell homeostasis, as well as peripheral immune function. The encoded protein undergoes proteolytic processing to generate a mature cytokine that stimulates the proliferation of natural killer cells. The transgenic mice overexpressing the encoded protein exhibit an increase in the number of memory CD8+ T cells in a naive state and enhanced protection against bacterial infections. Mice lacking the encoded protein exhibit impaired protection against a strain of attenuated Mycobacterium.

Alternative Names

IL-15, AI503618

Gene ID

16168

UniProt ID

P48346