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Product Information

MemDX™ Antibody Discovery - Human IL-2 R alpha / CD25 (22-213) Membrane Protein, Partial, -His -Avi tag, [Biotin]

Cat. No.: **MPX4718K**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human IL2RA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
IL2RA

Protein Length
ECD

Protein Class
Receptor

Molecular Weight
25.4 kDa

TMD
1

Sequence
AA Glu 22 - Cys 213 (Accession # P01589-1)

Product Description

Activity
Yes

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 per μg by the LAL method

Purity

>90% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

IL2RA

Full Name

Interleukin 2 receptor subunit alpha

Introduction

The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolyisis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency. Patients with severe Coronavirus Disease 2019 (COVID-19), the disease caused by the novel severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), have significantly elevated levels of IL2R in their plasma. Similarly, serum IL-2R levels are found to be elevated in patients with different types of carcinomas. Certain IL2RA and IL2RB gene polymorphisms have been associated with lung cancer risk.

Alternative Names

IL2RA; p55; CD25; IL2R; IMD41; TCGFR; IDDM10; IL-2 receptor subunit alpha; IL-2R subunit alpha; TAC antigen; interleukin 2 receptor, alpha; Interleukin 2 receptor subunit alpha

Gene ID

3559

UniProt ID

P01589

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