

Recombinant Human IL2RA Protein (Met1-Gln240), C-His tagged

Cat. No. IL2RA-4270H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant human IL2RA (Met1-Gln240) fused with the C-terminal His tag was expressed in Mammalian cells.

Species

Human

Source

Mammalian Cells

ProteinLength

Met1-Gln240

Description

Interleukin-2 receptor subunit alpha (IL2RA) is also known as IL-2R subunit alpha, IL-2-RA, IL2-RA, TAC antigen, p55, CD antigen CD25, is a type I transmembrane glycoprotein. IL2RA is expressed on activated T cells and regulatory T cells, and is capable of binding IL2 with low affinity by itself. However, a ligand-induced high affinity heterotrimeric receptor complex is produced when IL2RA is associated non-covalently with the IL2 receptor beta and gamma chain, and subsequently initiates the intracellular signal pathways such as MAPK or JAK/STAT. On dendritic cells (DC), CD25 has been previously regarded as an activation marker, while both murine and human DC can express CD25, they do not express the beta-chain of the IL-2 receptor, which is indispensable for the execution of IL-2 signaling.

Form

Lyophilized powder/frozen liquid

Molecular Mass

27.20 kDa

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Endotoxin	< 1.0 EU/μg of the protein as determined by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Lyophilized from PBS, pH 7.4, 1mM EDTA, 4% trehalose, 1% mannitol.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	IL2RA interleukin 2 receptor, alpha [Homo sapiens (human)]
Official Symbol	IL2RA
Synonyms	IL2RA; interleukin 2 receptor, alpha; IL2R; interleukin-2 receptor subunit alpha; CD25; p55; IL2-RA; IL-2-RA; TAC antigen; IL-2R subunit alpha; IL-2 receptor subunit alpha; TCGFR; IDDM10;
Gene ID	3559
mRNA Refseq	NM_000417
Protein Refseq	NP_000408

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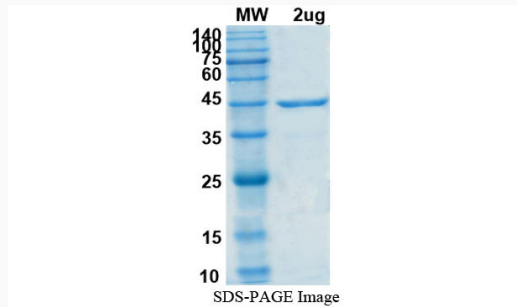
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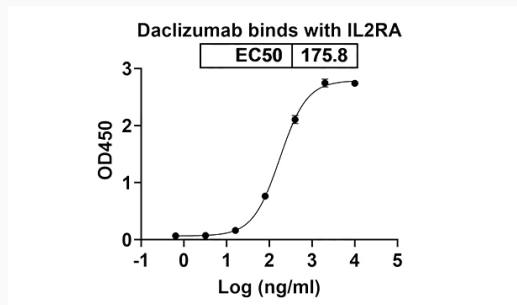
MIM 147730

UniProt ID P01589

SDS-PAGE



Activity



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