SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human IL2RA (Interleukin 2 receptor subunit alpha) Full Length

Cat. No.: **MPC1788K**
This product is for research use only and is not intended for diagnostic use.

This product is a 30.8 kDa Human IL2RA membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
IL2RA

Protein Length
Full length

Protein Class
Receptor; Immunity

Molecular Weight
30.8 kDa

TMD
1

Sequence
MDSYLLMWGLLTFIMVPGCQAELCDDDPPEIPHATFKAMAYKEGTMLNCE
CKRGFRRIKSGSLYMLCTGNSSHSSWDNQCQCTSSATRNTTKQVTPQPEE
QKERKTTEMQSPMQPVDQASLPGHCREPPPWENEATERIYHFVVGQMVYY
QCVQGYRALHRGPAESVCKMTHGKTRWTQPQLICTGEMETSQFPGEEKPQ
ASPEGRPESETSCLVTTTDFQIQTEMAATMETSIFTTEYQVAVAGCVFLL
ISVLLLSGLTWQRRQRKSRRTI

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°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; interleukin-2 receptor subunit alpha; 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