

Product Information

Recombinant Anti-Human IL2RA Antibody

Cat. No.: **MOM-18004**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Chimeric (mouse/human) Antibody specifically binds to Human CD25, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

CD25 is the alpha chain of the IL-2 receptor. It is a type I transmembrane protein present on activated T cells, activated B cells, some thymocytes, myeloid precursors, and oligodendrocytes that associates with CD122 to form a heterodimer that can act as a high-affinity receptor for IL-2. Though CD25 has been used as a marker to identify CD4+FoxP3+ regulatory T cells in mice, it has been found that a large proportion of resting memory T cells constitutively express CD25 in humans. CD25 is expressed in most B-cell neoplasms, some acute nonlymphocytic leukemias, neuroblastomas, and tumor infiltrating lymphocytes. Its soluble form, called sIL-2R may be elevated in these diseases and is occasionally used to track disease progression.

Specific Activity

Tested positive against native antigen.

Target

CD25

Immunogen

The details of the immunogen for this antibody are not available.

Source

Chimeric (mouse/human)

Species Reactivity

Human

Type

Chimeric (mouse/human) IgG1 - kappa

Expression Host

CHO

Predicted N terminal

H chain: QLQQSGT; L Chain: QIVSTQS

Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Applications

Suitable for use in IF, IP, Neut, FuncS, ELISA, FC, WB and most other immunological methods.

Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

ANTIGEN GENE INFORMATION

Gene Name

[IL2RA interleukin 2 receptor, alpha \[Homo sapiens \]](#)

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](#)

MIM

[147730](#)

UniProt ID

P01589

Chromosome Location

10p15-p14

Pathway

Arf6 trafficking events, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Calcium signaling in the CD4+ TCR pathway, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosystem;

Function

drug binding; interleukin-2 binding; interleukin-2 receptor activity; receptor activity;