

mouse CD25 rat Monoclonal antibody

slm-30157A

Product types

Flow cytometry antibody

English aliases

CD25; IL2r; Ly-43; IL2RA_MOUSE; IL2ra; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA; p55; IDDM10; IMD41; TCGFR; interleukin 2 receptor subunit alpha; insulin-dependent diabetes mellitus 10; interleukin 2 receptor, alpha

Product applications

Application	Species that have passed inspection	Predict species	Recommended dilution ratio
Flow-Cyt	Mouse		1ug/Test

Not yet tested in other applications.

Optimal working dilutions must be determined by the end user.

Cross-reaction

Mouse

Antibody sources

Rat

Related markings

APCFITCmFV540Pacific BlueORPE-Cy5PE-Cy7

Subtype

Rat IgG1, λ

Characteristics

Liquid

Purification methods

affinity purified by Protein G

Types of cloning

Monoclonal

and was honored with a title

4F8

Theoretical molecular weight

28 kDa

Molecular weight detection

55 kDa

Storage liquid

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Storage conditions

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Notes

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Database link

Entrez Gene : 16184 Mouse

SwissProt : P01590 Mouse

Entrez Gene : 3559 Human

Background information

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 proteolysis. 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. [provided by RefSeq, Jul 2020]