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Recombinant Mouse IL2Ra/CD25 Protein (His Tag)

Catalog No. PKSM041319

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms CD25;IL-2 R alpha;IL2RA;CD25 antigen;IDDM10;IL-2 receptor subunit

alpha;IL2R;IL-2R subunit alpha;IL-2-RA;IL2-RA;interleukin 2 receptor;alpha;interleukin-2 receptor subunit alpha;p55;TAC

antigen;TCGFR;Il2r;Ly-43

Species Mouse

Expression Host HEK293 Cells
Sequence Glu22-Lys236
Accession P01500

AccessionP01590Calculated Molecular Weight25.5 kDaObserved molecular weight40-60 kDaTagC-His

Bioactivity Not validated for activity

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin $< 1.0 \text{ EU per } \mu \text{g of the protein as determined by the LAL method.}$

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

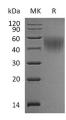
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

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Background

The interleukin 2 receptor alpha (IL2RA), also called CD25, is a type I transmembrane protein that presents on activated T cells, activated B cells, some thymocytes, myeloid precursors, and oligodendrocytes. IL2RA is a member of cytokine receptors family that utilizes the common gamma chain subunit (γc). IL2RA is expressed in most B-cell neoplasms, some acute nonlymphocytic leukemias, neuroblastomas, and tumor infiltrating lymphocytes. IL2RA associates with IL2RB (CD122) to form a heterodimer that can act as a high-affinity receptor for IL-2.

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