

IL-15RA/CD215 (C-Fc), Mouse, Recombinant

Cat. No. : PCK242

General Information

Synonyms	Interleukin-15 Receptor subunit alpha; IL15ra; sIL-15 Receptor subunit alpha
Species	Mouse
Expression host	Human Cells
Sequence	Gly33-Lys205
Accession	Q60819
Tag	C-Fc
Mol mass	45.5 kDa
Expiration date	12 months
Bio activity	Measured by its ability to block human IL-15-induced proliferation of CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 0.5-2 ng/mL.

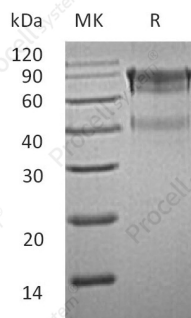
Product feature

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

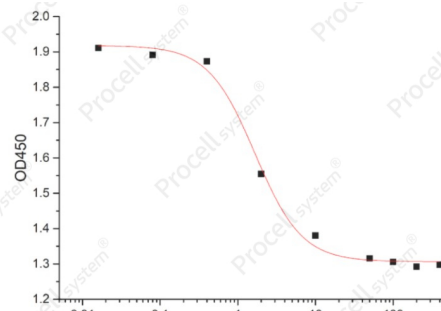
Background

Mouse Interleukin-15 Receptor subunit alpha, also known as IL15ra, is a high-affinity Receptor for Interleukin-15. IL15ra associates as a heterotrimer with the IL-2 Receptor beta and gamma subunits (Common gamma chain, or gamma c) to initiate signal transduction. It can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG-expressing cells. IL15ra is expressed in special cells including a wide variety of T and B cells and non-lymphoid cells. Human IL15ra shares 45% amino acid sequence homology with the mouse form of the Receptor. Eight isoforms of IL-15 R alpha mRNA have been identified, resulting from alternative splicing events involving different exons.

SDS-PAGE



Bio activity



Measured by its ability to block human IL-15-induced proliferation of CTL-2 mouse cytotoxic T cells. The ED50 for this effect is 0.5-2 ng/mL.

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