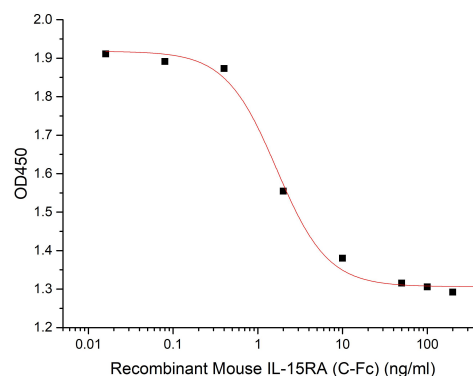


Recombinant Mouse IL-15RA

Catalog#:P00461 Derived from Human Cells

DESCRIPTION	Recombinant Mouse Interleukin-15 Receptor Subunit Alpha is produced by our Mammalian expression system and the target gene encoding Gly33-Lys205 is expressed with a human IgG1 Fc tag at the C-terminus. Accession#: Q60819 Known as: Interleukin-15 receptor subunit alpha; Il15ra; sIL-15 receptor subunit alpha
FORMULATION	Lyophilized from a 0.2µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
SHIPPING	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
STORAGE	Lyophilized protein should be stored at ≤ -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 ≤ -20°C for 3 months.
RECONSTITUTION	<i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i> <i>It is not recommended to reconstitute to a concentration less than 100µg/ml.</i> Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
QUALITY CONTROL	Mol Mass: 45.5kDa AP Mol Mass: 60-90kDa, reducing conditions. Endotoxin: Less than 0.1ng/µg (1 EU/µg) as determined by LAL test.
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 Tand 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.

Bioactivity-Cell Based Assay



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