



Recombinant Protein Technical Manual

Recombinant Mouse IL15RA/CD215 Protein (Fc Tag)(Active)
RPES1261

Product Data:

Product SKU: RPES1261

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q60819

Protein Information:

Molecular Mass: 45.5 kDa

AP Molecular Mass: 60-90 kDa

Tag: C-Fc

Bio-activity: Measured by its ability to block human IL5-induced proliferation of CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 0.5-2 ng/ml.

Purity: > 90 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 20mM PB, 150mM NaCl, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Interleukin5 receptor subunit alpha;IL15ra;IL5 receptor subunit alpha

Immunogen Information:

Sequence: Gly33-Lys205

Background:

Mouse interleukin5 receptor subunit alpha, also known as Il15ra, is a high-affinity receptor for interleukin5. 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 IL5 R alpha mRNA have been identified, resulting from alternative splicing events involving different exons.