



Recombinant Protein Technical Manual

Recombinant Human IL15RA/IL5RA Protein (Fc Tag)(Active)
RPES1094

Product Data:

Product SKU: RPES1094

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q13261

Protein Information:

Molecular Mass: 45.5 kDa

AP Molecular Mass: 55-80 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 0.35-3.5 ng/ml.

Purity: > 95 % as determined by reducing 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: CD215; IL15RA; CD215 antigen; IL5 receptor subunit alpha; IL5RA; IL5R-alpha; interleukin 15 receptor; alpha; interleukin5 receptor subunit alpha; MGC104179

Immunogen Information:

Sequence: Ile31-Thr 205

Background:

Interleukin 15 Receptor alpha (IL5R α) is a transmembrane glycoprotein that plays a pleiotropic role in immune development and function, including the positive maintenance of lymphocyte homeostasis. IL5R α chain can bind soluble IL5 and “transpresent” cytokine to the cells, allowing them to respond to IL5. Soluble IL5R α can function as a specific high-affinity IL5 antagonist. The soluble IL5/IL5R α complexes exhibit a strong agonistic activity which is mediated through membrane-bound IL5 receptor β and γ heterodimers and enables signaling to cells.