

32-6453: IL15RA Human

Application : Functional Assay

Alternative Name : Interleukin 15 Receptor Subunit Alpha, Interleukin 15 Receptor, Alpha, Interleukin 15 Receptor Alpha Isoform EM2, Interleukin 15 Receptor Alpha Isoform IC2, Interleukin 15 Receptor Alpha Isoform IC3, Interleukin 15 Receptor Alpha Isoform IC4, Interleukin 15 Receptor Alpha Isoform IC5, Interleukin 15 Receptor Alpha Isoform IC6, Interleukin 15 Receptor Alpha Isoform IC7, Interleukin 15 Receptor Alpha Isoform IC8, Interleukin-15 Receptor Subunit Alpha, IL-15 Receptor Subunit Alpha, CD215 Antigen, IL-15R-Alpha, IL-15RA, CD215.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

IL15RA, also known as Interleukin 15 Receptor Alpha, is a high-affinity receptor for interleukin-15. IL15RA plays a role as a heterotrimer with the IL-2 receptor beta and gamma subunits to commence signal transduction. IL15/IL15R alpha complexes can transmit reverse signaling which promotes cellular adhesion, tyrosine phosphorylation of intracellular proteins, as well as cytokine secretion by the IL-15/IL15R alpha expressing cells.

IL15RA produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (31-205 a.a.) and fused to a 242 a.a. hIgG-His Tag at C-terminus containing a total of 417 amino acids and having a molecular mass of 45.6kDa. IL15RA shows multiple bands between 57-70kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : IL15RA protein solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : ADPITCPPPM SVEHADIWVK SYSLYSRERY ICNSGFKRKA GTSSLTECVL NKATNVAHWI
TPSLKCIRDP ALVHQRAPP STVTAGVTP QPESLSPSGK EPAASSPSSN NTAATTAIV
PGSQLMPSKS PSTGTTEISS HESSHGTPSQ TTAKNWELTA SASHQPPGVY
PQGHSDTTLE PKSCDKTHTC PPCAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV
SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK
ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ
PENNYKTTTP VLDSDGSFFL YSKLTVDKSR WQQGNVFCSS VMHEALHNHY TQKSLSLSPG
KHHHHHH

Application Note

Determined by its ability to inhibit proliferation using CTLL2 mouse cytotoxic T cells. The ED50 for this effect is < 2 ng/ml with Human IL-15.