

Active Recombinant Mouse IL15RA, MlgG2a Fc-tagged

Cat. No. IL15RA-1553M Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse IL-15RA (NP_032384.1)(Gly33-Lys205) is fused to the N-terminus of the Fc region of a mouse IgG2a was expressed in CHO cell.
Species	Mouse
Source	CHO
ProteinLength	33-205 a.a.
Description	This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to block human IL-15-induced proliferation of CTLL 2 mouse cytotoxic T cells.
Molecular Mass	45KDa (monomer)

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AA Sequence	Gly33-Lys205
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	IL15ra interleukin 15 receptor, alpha chain [Mus musculus]
Official Symbol	IL15RA
Synonyms	IL15RA; interleukin 15 receptor, alpha chain; interleukin-15 receptor subunit alpha; IL-15RA; IL-15R-alpha; IL-15 receptor subunit alpha; AA690181;
Gene ID	16169
mRNA Refseq	NM_008358
Protein Refseq	NP_032384
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Intestinal immune network

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for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem;

Function

receptor activity;

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