

Datasheet for ABIN7566192

IL-15 Protein (AA 49-162) (Fc Tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	IL-15 (IL15)
Protein Characteristics:	AA 49-162
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-15 protein is labelled with Fc Tag.

Product Details

Purpose:	IL-15 (mutant) (human):Fc (human) (rec.)
Cross-Reactivity:	Human
Characteristics:	The extracellular domain of human IL-15 (aa 49-162) including mutations at Q149D and Q156D is fused to the N-terminus of the Fc region of human IgG1.
Purity:	>98 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<0.06EU/µg protein (LAL test, Lonza).
Biological Activity Comment:	This mutant IL-15/Fc fusion protein specifically binds to the IL-15R, competitively inhibits IL-15-triggered cell proliferation, promotes transplant tolerance, does not activate the STAT-signaling pathway, and exerts a prolonged circulating half-life caused by the modified Fc domain.

Target Details

Target:	IL-15 (IL15)
Alternative Name:	IL-15 (IL15 Products)
Background:	<p>Interleukin-15</p> <p>Interleukin-15 (IL-15) has a broad spectrum of biological activities. It is crucial for the development, proliferation, survival and differentiation of multiple cells from both innate and adaptive immune systems. IL-15 up-regulation has a central role in the development of several autoimmune or chronic inflammatory disorders. Targeting IL-15 or its receptor may have a valuable impact on the treatment of immune-mediated diseases. IL-15 participates in the development of important immune antitumor mechanisms. It activates CD8(+) T cells, natural killer (NK) cells, NK T cells, and can promote the formation of antitumor antibodies. IL-15 can also protect T effector cells from the action of T regulatory cells and reverse tolerance to tumor-associated antigens. In pre-clinical studies IL-15 has been found to demonstrate potentiated antitumor effects following pre-association with IL-15Ralpha, or when used in combination with chemotherapy, adoptive therapy, monoclonal antibodies, and tumor vaccines.</p>
UniProt:	P40933
Pathways:	JAK-STAT Signaling , Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from 0.2µm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.
Storage:	4 °C, -20 °C
Storage Comment:	<p>Short Term Storage: +4°C</p> <p>Long Term Storage: -20°C</p> <p>Use & 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.</p>