

Datasheet for ABIN6938879

IL-15 Protein (AA 49-162) (Fc Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	50 µg
Target:	IL-15 (IL15)
Protein Characteristics:	AA 49-162
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-15 protein is labelled with Fc Tag.

Product Details

Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL-15 (IL15)
Alternative Name:	IL-15 (IL15 Products)
Background:	<p>Interleukin 15 is also known as IL15, IL-15, and is a cytokine with structural similarity to IL-2. Like IL-2, IL-15 binds to and signals through the IL-2/IL-15 beta chain (CD122) and the common gamma chain (gamma-C, CD132). IL-15 is secreted by mononuclear phagocytes (and some other cells) following infection by virus(es). This cytokine induces cell proliferation of natural killer cells, cells of the innate immune system whose principal role is to kill virally infected cells.</p>

Target Details

Interleukin 15 (IL-15) regulates T and natural killer (NK) cell activation and proliferation. Survival signals that maintain memory T cells in the absence of antigen are provided by IL-15. This cytokine is also implicated in NK cell development. In rodent lymphocytes, IL-15 prevents apoptosis by inducing an apoptosis inhibitor, BCL2L1/BCL-x(L). IL-15 has been shown to enhance the anti-tumor immunity of CD8+ T cells in pre-clinical models. A phase I clinical trial to evaluate the safety, dosing, and anti-tumor efficacy of IL-15 in patients with metastatic melanoma and renal cell carcinoma (kidney cancer) has begun to enroll patients at the National Institutes of Health.

Molecular Weight: 39.7 kDa

NCBI Accession: [NP_032383](#)

Pathways: [JAK-STAT Signaling](#), [Glycosaminoglycan Metabolic Process](#)

Application Details

Restrictions: For Research Use only

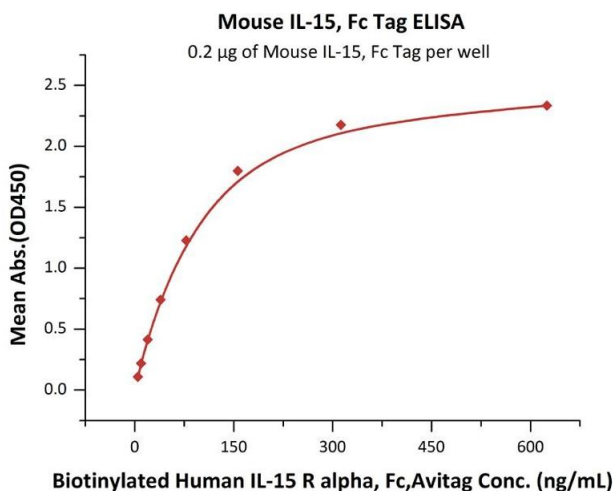
Handling

Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

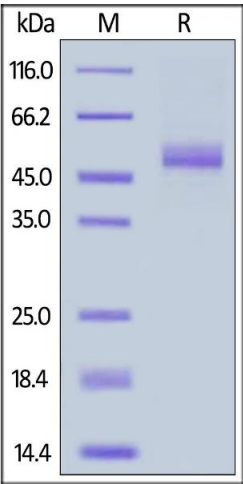
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Mouse IL-15, Fc Tag (ABIN6810037, ABIN6938879) at 2 µg/mL (100 µL/well) can bind Biotinylated Human IL-15 R alpha, Fc, Avitag (ABIN6731258, ABIN6809875) with a linear range of 10-156 ng/mL (QC tested).



SDS-PAGE

Image 2. Mouse IL-15, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .