

Datasheet for ABIN7488621

Recombinant anti-IL-15 antibody[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL-15 (IL15)
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This IL-15 antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	Anti-Human IL15 (12B11E5) mAb, Mouse IgG1
Immunogen:	Anti-Human IL15 (12B11E5) MAb, Mouse IgG1 is a monoclonal antibody recombinantly expressed from human 293 cells (HEK293), which combines the variable region of a Mouse monoclonal antibody with mouse IgG1 constant domain. The mouse monoclonal antibody is produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with IL15.
Clone:	12B11E5
Isotype:	IgG1

Target Details

Target:	IL-15 (IL15)
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Target Details

Alternative Name:	IL15 (IL15 Products)
Background:	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. 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.
Pathways:	JAK-STAT Signaling , Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Storage:	-20 °C