

Datasheet for ABIN7126583 **anti-IL-15 antibody**



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Overview

Quantity:	100 µg
Target:	IL-15 (IL15)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-15 antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment of human IL15(exact sequence is proprietary)
Isotype:	IgG2b
Specificity:	Interleukin-15 (IL-15), also designated IL-T, is a cloned cytokine which shares several biological activities but no sequence homology with IL-2. Human, mouse and simian IL-15 cDNA clones have been isolated and characterized. All 3 species encode a 162 amino acid residue precursor protein containing a 48 amino acid leader that is cleaved to generate the mature form of IL-15. IL-15 stimulates the proliferation of T cells and NK cells, while enhancing B cell expansion and antibody production. Unlike IL-2, IL-15 is not produced by lymphocytes, but appears to be produced by macrophages, epithelial lines, muscle and placenta. IL-15 has also been shown to be a chemoattractant for human blood T lymphocytes and to be able to induce lymphokine-activated killer (LAK) activity in NK cells as well as to be able to induce the generation of cytolytic effector cells. Studies have shown that IL-15 is the only other cytokine that shares the β^2 signaling subunit of the IL-2R. Evidence also suggests that like IL-2, IL-4 and IL-7, IL-15 utilizes

Product Details

	the common IL-2R β subunit.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	IL-15 (IL15)
Alternative Name:	IL15 (IL15 Products)
Background:	Interleukin-15 (IL-15), MGC9721,Interleukin-15 (IL-15) Cellular localisation: Secreted. Cytoplasm. Nuclear.
Molecular Weight:	14-15kDa
Gene ID:	3600, 654378
Pathways:	JAK-STAT Signaling , Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 μ g/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 $^{\circ}$ C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: Human placenta,skeletal muscle or adrenal gland.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 $^{\circ}$ C,-80 $^{\circ}$ C
Storage Comment:	Antibody without azide - store at -20 to -80 $^{\circ}$ C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months