

Datasheet for ABIN5690436 **anti-IL-15 antibody**



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	IL-15 (IL15)
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-15 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Neutralization (Neut)

Product Details

Immunogen:	Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant mIL-15. Murine IL-15 specific antibody was purified by affinity chromatography employing immobilized mIL-15 matrix.
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Target Details

Target:	IL-15 (IL15)
Alternative Name:	IL-15 (IL15 Products)
Background:	IL15 (114 amino acids) is a cytokine that regulates T and natural killer cell activation and proliferation. It has a predicted molecular mass of approximately 12.5 kDa. Human IL15 shares approximately 97 % and 73 % amino acid sequence identity with simian and mouse IL15, respectively.
Gene ID:	16168

Target Details

UniProt:	P48346
Pathways:	JAK-STAT Signaling , Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of mIL-15 (5.0 ng/mL), a concentration of 0.4 - 0.5 µg/mL of this antibody is required. ELISA: Indirect: To detect mIL-15 by indirect ELISA (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant mIL-15. Sandwich To detect mIL-15 by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with our biotinylated Anti-Murine IL-15 as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant mIL-15. Western Blot: To detect mIL-15 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant mIL-15 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Storage:	-20 °C
Storage Comment:	IL-15 antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C. Avoid repeated freeze-thaw cycles.