

Datasheet for ABIN5689032 **anti-IL-15 antibody**

[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	IL-15 (IL15)
Reactivity:	Human
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 hIL-15 (human Interleukin-15).
Purification:	Anti-hIL-15 specific antibody was purified by affinity chromatography employing immobilized hIL-15 matrix.

Target Details

Target:	IL-15 (IL15)
Alternative Name:	IL-15 (IL15 Products)
Background:	IL-15 (14-15 kD) is a member of the four alpha-helical bundle family of cytokines. It is very similar to IL-2, except that IL-15 has an IL-15 alpha receptor subunit. IL-15 plays an important role in the growth and differentiation of T and B lymphocytes, natural killer cells, macrophages, and monocytes as well as activation of a number of important intracellular signaling molecules.

Target Details

This implies that IL-15 could be essential for the immune responses, allograft rejection, and the pathogenesis of autoimmune diseases.

Gene ID: 3560

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

Application Details

Application Notes:

Neutralization:

To yield one-half maximal inhibition [ND50] of the biological activity of hIL-15 (2.0 ng/mL), a concentration of 0.12 - 0.15 µg/mL of this antibody is required.

ELISA:

To detect hIL-15 by direct ELISA (using 100 µL/well antibody solution) a concentration of at least 0.5 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hIL-15.

To detect hIL-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-Human IL-15 (XP-5169Bt) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-15.

Western Blot:

To detect hIL-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 hIL-15 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Restrictions: For Research Use only

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.