

# Anti-Rat IL-15 Polyclonal Antibody

**CATALOG #:** 5172-100

**AMOUNT:** 100 µg

**LOT #:** \_\_\_\_\_

**HOST:** Rabbit

**IMMUNOGEN:** *E. coli*-expressed rat IL-15 (a.a. 104-162)

## FORMULATION:

100 µg (0.5 mg/ml) immunoaffinity purified rabbit anti-rat IL-15 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

**SPECIES REACTIVITY:** rat (Other species have not been tested)

## STORAGE CONDITIONS:

Store at -20°C. For optimal storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

## DESCRIPTION:

IL-15 is a member of the four alpha-helical bundle family of cytokines with a molecular weight of 14-15 kDa. Its *in vitro* activity is very similar to IL-2, except that IL-15 utilizes the IL-15 receptor alpha subunit for binding. IL-15 plays an important role in the growth and differentiation of T and B lymphocytes, natural killer cells, macrophages, and monocytes. It also activates a number of important intracellular signaling molecules. This implies that IL-15 could be essential for the immune responses, allograft rejection, and the pathogenesis of autoimmune diseases.

## APPLICATION AND SPECIFICITY:

The antibody can be used for Western blot analysis (0.5-1 µg/ml). However, the optimal conditions should be determined individually.

**FOR RESEARCH USE ONLY! Not to be used in human subjects!**

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- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
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