

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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