

Purified Rabbit Anti-rat IL-15A

Catalog Number: TP231

Lot Number:

Content: Protein A purified rabbit IgG,
200 µg, with 0.1% sodium azide,
lyophilized

(Reconstitute to 1 mg/ml by adding 200 µl PBS)

Product Description and Usage: For research use only. This polyclonal antibody, which reacts with rat IL-15, was generated using *E. coli*-expressed rat IL-15 (aa 52-103) as an immunogen. The tested titer for Western blot is 1:5,000.

Cross-reactivity to IL-15 of other species has not been determined.

Storage Condition: 4 C for short term storage or -20 C in small aliquots for long term storage. Avoid repeated freeze and thaw.

Background: IL-15 is a member of the four helix-bundle cytokine family with a molecular weight of 14-15 kDa. Its in vitro activity is very similar to that of IL-2, except that IL-15 utilizes the IL-15 receptor alpha subunit for binding¹. IL-15 play 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 molecules². This implies that IL-15 could be essential for the immune responses, allograft rejection, and the pathogenesis of autoimmune diseases³.

References:

1. Cosman, D, et al. (1995) Interleukin 15 and its receptor. Ciba Found Symp 195:221-9
2. Waldmann, T, et al. (1998) Interleukin-2, interleukin-15 and their receptors. Int Rev Immunol 16 (3-4): 205-26
3. Kennedy, MK, et al. (1996) Characterization of interleukin-15 (IL-15) and the IL-15 receptor complex. J Clin Immunol 16 (3): 134-43