

Product datasheet for PP013P1

IL7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	<p>Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of Mouse IL-7 (0.50 ng/ml), a concentration of 0.08-0.1 µg/ml of this antibody is required.</p> <p>Direct ELISA: To detect Mouse IL-7 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 Mouse IL-7.</p> <p>Sandwich ELISA: To detect Mouse IL-7 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 Biotinylated Anti-Mouse IL-7 (Cat.-No PP013B1 or PP013B2) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Mouse IL-7.</p> <p>Western Blot: To detect Mouse IL-7 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 Mouse IL-7 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.</p>
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli derived recombinant Mouse IL-7 (Cat.-No PA014)
Specificity:	This antibody recognizes Mouse Interleukin-7 (IL-7). Other species not tested.
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography immobilized Murine IL-7 matrix
Conjugation:	Unconjugated



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Storage: Prior to reconstitution store at 2-8°C.
Following reconstitution store undiluted at 2-8°C for one month
or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: interleukin 7

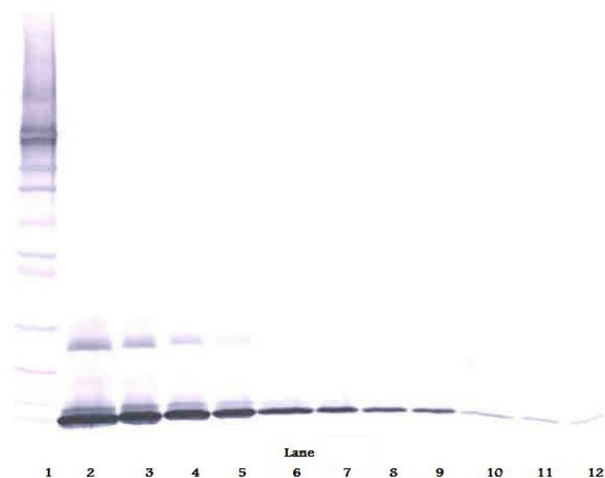
Database Link: [Entrez Gene 16196 Mouse P10168](#)

Background: Interleukin 7 (IL7) is a lymphoid cell growth factor that affects pre-B, pro-B, and early T cells. IL7 was previously known as pre-B cell growth factor and lymphopoietin 1. IL7 supports the growth of early B cells from long-term lymphoid bone marrow cultures. It is mitogenic to thymocytes and enhances the response of cells to other stimuli such as polyhydroxyalkanoate (PHA) and concanavalin A (ConA). IL7 stimulates the proliferation of CD4+/CD8+ cells. The proliferative response of thymocytes to IL7 is not affected by antibodies to the T cell growth factors such as IL2, IL4 and IL6, suggesting that IL7 is capable of stimulating T cell proliferation through a pathway independent of the known T cell growth factors. Mature T cells respond to IL7 and Con A, but not to IL7 alone. In myeloid lineage cells, IL7 upregulates the production of pro-inflammatory cytokines and stimulates the tumoricidal activity of monocytes/macrophages. IL7 is expressed by adherent stromal cells from various tissues.

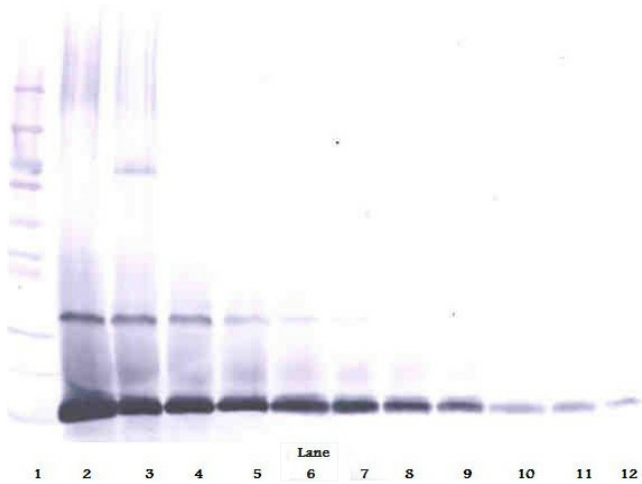
Synonyms: IL-7

Note: Centrifuge vial prior to opening!

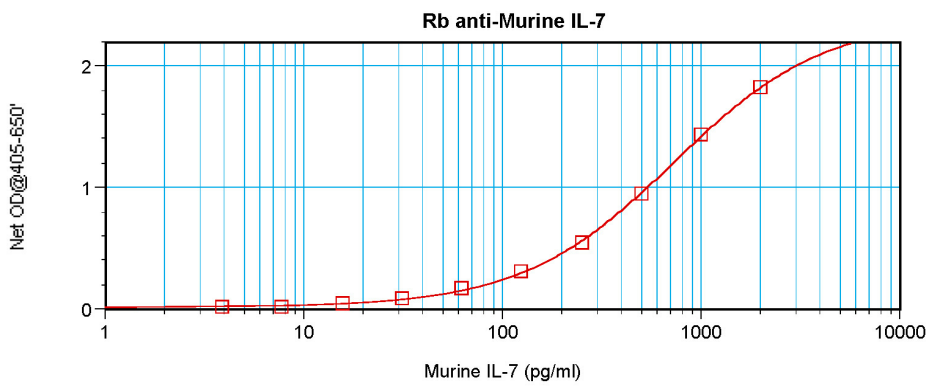
Product images:



Western Blot (Unreduced) using IL7 Antibody
Cat.-No PP013P



Western Blot (Reduced) using IL7 Antibody Cat.-No PP013P



Sandwich ELISA using IL7 Antibody Cat.-No PP013P