



# Anti-Mouse IL-7

20150223ML



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>103-P16</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant murine IL 7. Anti-murine IL 7 specific antibody was purified by affinity chromatography employing immobilized murine IL 7 matrix.

## Target Background

<b>Synonyms (Target):</b>	IL7; IL-7; hlb368; A630026I06Rik
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Interleukin 7 (IL-7), previously known as pre-B-cell growth factor and lymphopoietin-1, is expressed by adherent stromal cells from various tissues. Mouse IL-7 has approximately 65% amino acid sequence identity with human IL-7 and both proteins exhibit cross-species activity.

### Database References Target

<b>Protein RefSeq:</b>	NP_032397.1
<b>Uniprot ID:</b>	P10168
<b>mRNA RefSeq:</b>	NM_008371

## Product Specifications

<b>Species reactivity</b>	Mouse
<b>Clone/Ab feature</b>	Rabbit IgG
<b>Cross reactivity</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal Antibody
<b>Purification</b>	Antigen-affinity purified
<b>Immunogen</b>	recombinant mouse IL-7
<b>Formulation</b>	lyophilized from PBS
<b>Reconstitution buffer</b>	water

**Reconstitution:** Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

**Stability:** The lyophilized 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 AND THAW CYCLES!**

## Applications

### Neutralization:

To yield one-half maximal inhibition [ND<sub>50</sub>] of the biological activity of murine IL-7 (0.60 ng/ml), a concentration of 0.012 - 0.02 µg/ml of this antibody is required.

### ELISA:

To detect murine 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 murine IL-7.

### Western Blot:

To detect murine IL-7 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 murine IL-7 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**