



Anti-Human IL-7

20170406BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-P37
Size:	100 µg
Lot. No.:	According to product label

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

Target Background

Synonyms (Target):	IL7; IL-7
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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

Protein RefSeq:	NP_000871.1
Uniprot ID:	P13232
mRNA RefSeq:	NM_000880

Product Specifications

Species reactivity	Human
Clone/Ab feature	Rabbit IgG
Cross reactivity	Human
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	recombinant Human IL-7
Formulation	lyophilized from PBS
Reconstitution buffer	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 1 month at room temperature and 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 [ND₅₀] of the biological activity of human IL-7 (1 ng/ml), a concentration of 0.04 - 0.06 mg/ml of this antibody is required.

Sandwich ELISA: To detect human IL-7 by Sandwich ELISA (using 100µl/well) a concentration of 0.5 – 2.0 mg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 2 - 4 ng/well of recombinant human IL-7.

Western Blot: To detect human IL-7 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 mg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant human 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!