



20150217ML

Anti-Human IL-7 (#12T6)

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

Cat.-no.:	101-M713
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of IL-7.

Target Background

Synonyms (Target):	IL7; IL-7
---------------------------	-----------

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

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#12T6)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	recombinant human IL-7
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human IL-7.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, IHC (P), N

Recommended usage:

IHC (paraffine): 1:20 - 1:100

WB: Use at 1:500 - 1:2000

Neutralization of IL-7 bioactivity: Yes

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