



20150116ML

Anti-Mouse IL-2 (#2L52)

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

Cat.-no.:	103-M414
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 rat) immunized with mouse recombinant protein of IL-2.

Target Background

Synonyms (Target):	IL2; IL-2
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Interleukin 2 (IL-2) was initially identified as a T cell growth factor that is produced by T cells following activation by mitogens or antigens. Since then, it has also been shown to stimulate the growth and differentiation of B cells, natural killer (NK) cells, lymphocyte activated killer (LAK) cells, monocytes/macrophages and oligodendrocytes. At the amino acid sequence level, there is approximately 60% - 90% similarity between species. Mature human IL-2 shows 65%, 67%, 72%, 78%, and 64% aa identity to mouse, rat, pig, cat, and cow IL-2, respectively.

Database References Target

Protein RefSeq:	NP_032392.1
Uniprot ID:	P04351
mRNA RefSeq:	NM_008366.3

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#2L52)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	recombinant mouse protein of IL-2
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: Remarks: This antibody detects specifically mouse IL-2 with WB.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:
WB

Recommended usage:

WB: 1:50-200

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