



20150116ML

Anti-Mouse IL-3 receptor alpha (#9G52)

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

Cat.-no.:	103-M252
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 purified mouse recombinant protein of IL-3R alpha extracellular domain).

Target Background

Synonyms (Target):	Il3ra; CD123; SUT-1; CDw123
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Interleukin 3 (IL-3) is a pleiotropic cytokine that can stimulate proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. IL-3 exerts its activity through binding to a specific cell surface receptor known as IL-3 R. IL-3 R is a heterodimeric structure composed of a 70 kDa IL-3 R alpha subunit (CD123 or beta common) and a 120-140 kDa IL-3 R beta subunit (CD131). CD131 also associates with the receptor for Erythropoietin, forming a tissue-protective hetero-receptor complex.

Database References Target

Protein RefSeq:	NP_032395.1
Uniprot ID:	P26952
mRNA RefSeq:	NM_008369.1

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#9G52)
Isotype	IgG2
Purification	Protein A/G chromatography
Antigen	recombinant protein of the EC domain of IL-3 R alpha
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 detects mouse IL-3 R alpha, but not IL-3R beta in Western blotting.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:500-1000

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