



20150116ML

Anti-Human CD4 (#10A2)

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

Cat.-no.:	101-M307
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 CD4 extracellular domain.

Target Background

Synonyms (Target):	CD4; CD4mut
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CD4 is an approximately 55 kDa type I transmembrane glycoprotein that is expressed predominantly on thymocytes and a subset of mature T cells. In humans, CD4 is also expressed to a lesser extent on monocytes and macrophage related cells.

Database References Target

Protein RefSeq:	NP_000607.1
Uniprot ID:	P01730
mRNA RefSeq:	NM_000616.4

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#10A2)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	recombinant human CD4 extracellular domain
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 CD4.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

IHC, FC

Recommended usage:

FC: 1:20-100

IHC (frozen): 1:20-100

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