



20180406BB

Anti-Mouse CD4 (#2H9)

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

Cat.-no.:	103-M105
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 CTL cells. IgG2 fraction of the culture supernatant was purified by Protein G affinity chromatography.

Target Background

Synonyms (Target):	Cd4; L3T4; Ly-4
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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_038516.1
Uniprot ID:	P06332
mRNA RefSeq:	NM_013488.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#2H9)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	mouse CTL cells
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.

AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

IHC (P), FC

Recommended usage:

IHC (paraffine): 1:50 - 1:300

Flow Cytometry 1:100 - 1:1000

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



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Application/Handling

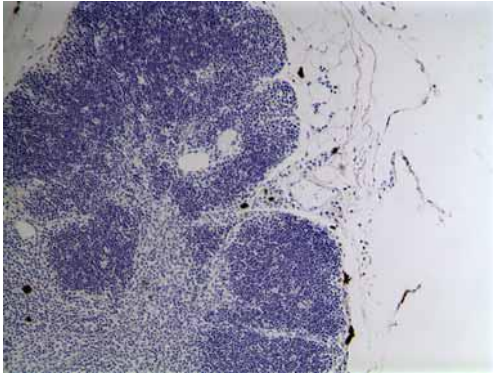


Fig. 1: Formalin fixed and paraffin embedded mouse thymus tissue section was subjected to immunohistochemistry staining (ABC) of CD4 using #103-M105.