



20150120ML

# Anti-Mouse CD4 (#2H9)

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

<b>Cat.-no.:</b>	<b>103-M105</b>
Size:	200 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

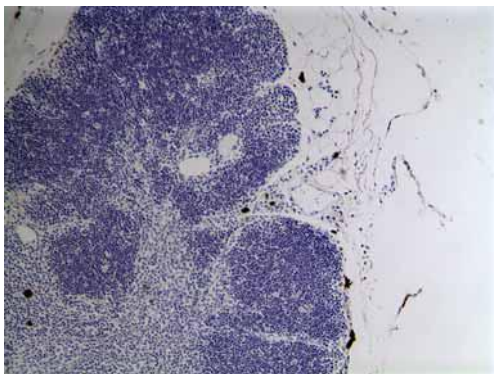
<b>Synonyms (Target):</b>	Cd4; L3T4; Ly-4
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CD4 is an approximately 55 kDa type I transmembrane glycoprotein that is expressed predominantly on thymocytes and a subset of mature T cells. In humans, CD4 is also expressed to a lesser extent on monocytes and macrophage related cells.

## Database References Target

<b>Protein RefSeq:</b>	NP_038516.1
<b>Uniprot ID:</b>	P06332
<b>mRNA RefSeq:</b>	NM_013488.2

## Application/Handling



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

## Product Specifications

<b>Host</b>	Rat
<b>Reactivity against</b>	Mouse
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#2H9)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G/A chromatography
<b>Antigen</b>	mouse CTL cells
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 400 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!**