



20180406BB

# Anti-Mouse CD40 (#MAB0805)

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

<b>Cat.-no.:</b>	<b>103-M148</b>
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 recombinant mouse CD40 protein. IgG2 fraction of the culture supernatant was purified by Protein G affinity chromatography.

## Target Background

<b>Synonyms (Target):</b>	Cd40; IGM; p50; Bp50; GP39; IMD3; TRAP; HIGM1; T-BAM; Tnfrsf5; AI326936
---------------------------	---

CD40 plays a key role in B-cell growth and differentiation where interactions of CD40 with its ligand, CD154, are involved in the initiation, effector, and memory stages of cell-mediated immune responses. In addition, CD40 has been reported to be involved with the triggering of NK cells and NK-T cells.

## Database References Target

<b>Protein RefSeq:</b>	NP_035741.2
<b>Uniprot ID:</b>	P27512
<b>mRNA RefSeq:</b>	NM_011611.2

## Product Specifications

<b>Host</b>	Rat
<b>Reactivity against</b>	Mouse
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#MAB0805)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G/A chromatography
<b>Antigen</b>	Mouse recombinant CD40
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	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 mouse CD40.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

IHC (P)

**Recommended usage:**

Immunohistochemistry (Paraffine): 1:25 - 1:100

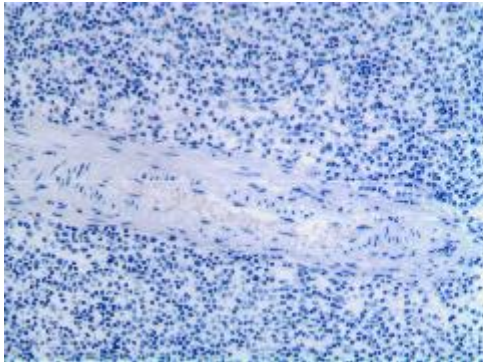
**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**



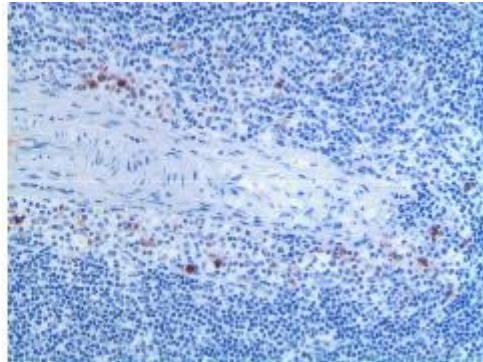
# Anti-Mouse CD40 (#MAB0805)

---

## Application/Handling



Negative Control



103-M148

**Fig. 1:** 4% PFA fixed and paraffin embedded mouse spleen tissue section was subjected to IHC staining of mouse CD40 using 103-M148.