



20150116ML

Anti-Mouse TREM-1 (#3C66)

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

Cat.-no.:	103-M279
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 TREM-1 extracellular domain.

Target Background

Synonyms (Target):	TREM1
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TREM1 (Triggering Receptor Expressed on Myeloid cells) is a type I transmembrane protein having a single Iglike domain. It associates with the adapter protein, DAP12, to deliver an activating signal. Several other TREM family members have been reported that are structurally similar but share less than 30% amino acid identity. TREM1 is expressed on blood neutrophils and a subset of monocytes, and expression is upregulated by bacterial LPS. Engagement of TREM1 with a monoclonal antibody leads to expression of IL8, MCP1, and TNF α suggesting that this receptor plays an important role in inflammatory responses. TREM1 is expressed at high levels on neutrophils of patients with microbial sepsis and in mice with LPS induced shock. Blockade of TREM1 with a TREM1/ Fc fusion protein protected mice against LPS induced shock.

Database References Target

Protein RefSeq:	NP_067381
Uniprot ID:	Q9JKE2
mRNA RefSeq:	NM_021406

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#3C66)
Isotype	IgG2
Purification	Protein A/G chromatography
Antigen	recombinant mouse extracellular domain of TREM-1
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 TREM-1 but not TREM-2b in Western blotting

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:
WB, IHC (F)

Recommended usage:

WB: 1:500-1000**IHC (frozen):** 1:50-100

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