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Product datasheet for DM3602P

Trem1 (Extracell. Dom.) Rat Monoclonal Antibody [Clone ID: 3C66]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3C66
Applications:	IHC, WB
Recommended Dilution:	**Western blotting:** 1/500-1000. **Immunohistochemistry on Frozen Sections:** 1/50-100.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Purified Mouse Recombinant TREM-1 extracellular domain.
Specificity:	This antibody detects Mouse of TREM-1, but **not** TREM-2b in Western blotting.
Formulation:	PBS without preservatives or stabilizers State: Purified State: Lyophilized (0.2 µm filtered) purified Ig fraction from Culture Supernatant
Reconstitution Method:	Restore with 0.2 ml sterile PBS and the final concentration is 0.5 mg/ml.
Purification:	Affinity Chromatography on Protein A/G.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	26 kDa (Predicted)
Gene Name:	triggering receptor expressed on myeloid cells 1
Database Link:	NP_067381.1 Entrez Gene 58217 Mouse Q9JKE2

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Background: TREM1 is also known as triggering receptor expressed on myeloid cells 1, and triggering receptor expressed on monocytes 1. TREM1 is a Type I membrane protein that contains an immunoglobulin-like V-type domain. An alternatively spliced protein variant may be secreted. TREM1 is highly expressed on peripheral blood myeloid cells (particularly mature monocytes and granulocytes); TREM1 expression can be further upregulated by bacteria, fungi and lipopolysaccharide. TREM1 has been shown to interact with the adaptor protein DAP12 to stimulate neutrophil and monocyte-mediated inflammatory responses through the triggering and release of pro-inflammatory cytokines and chemokines. TREM1 is thought to amplify inflammatory responses to fungal and bacterial infections and potentiate septic shock.

Synonyms: TREM-1