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[Marker Primary Antibody]

Rabbit Anti-TREM1/Biotin Conjugated antibody

Catalog Number: SL10306R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-TREM1/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human TREM1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 Flow-Cyt=1ug/test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Rat)
Background:	background: This gene encodes a receptor belonging to the Ig superfamily that is expressed on myeloid cells. This protein amplifies neutrophil and monocyte-mediated inflammatory responses triggered by bacterial and fungal infections by stimulating release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011]. **Function:** Stimulates neutrophil and monocyte-mediated inflammatory responses. Triggers release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Amplifier of inflammatory responses that are triggered by bacterial and fungal infections

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	and is a crucial mediator of septic shock. **Subunit:** Interacts with TYROBP/DAP12. **Subcellular Location:** Isoform 1: Cell membrane; Single-pass type I membrane protein (Potential). Isoform 2: Secreted (Potential). **Tissue Specificity:** Highly expressed in adult liver, lung and spleen than in corresponding fetal tissue. Also expressed in the lymph node, placenta, spinal cord and heart tissues. Expression is more elevated in peripheral blood leukocytes than in the bone marrow and in normal cells than malignant cells. Expressed at low levels in the early development of the hematopoietic system and in the promonocytic stage and at high levels in mature monocytes. Strongly expressed in acute inflammatory lesions caused by bacteria and fungi. Isoform 2 was detected in the lung, liver and mature monocytes. **Post-translational modifications:** Glycosylated. **Similarity:** Contains 1 Ig-like V-type (immunoglobulin-like) domain. **Database links:** **Entrez Gene:** 54210 Human **Entrez Gene:** 58217 Mouse Omim: 605085 Human **SwissProt:** Q9NP99 Human **SwissProt:** Q9JKE2 Mouse **Unigene:** 283022 Human **Unigene:** 248352 Mouse Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.