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#96768**TREM1 (D7D6I) Rabbit mAb (Flow Specific)**

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Applications:	Reactivity:	Sensitivity:	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
FC-L	H	Endogenous	Rabbit IgG	#Q9NP99	54210
Product Usage Information	Application				Dilution
	Flow Cytometry (Live)				1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.				
Specificity/Sensitivity	TREM1 (D7D6I) Rabbit mAb recognizes endogenous levels of total TREM1 protein.				
Source / Purification	Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the extracellular domain of human TREM1 protein.				
Background	The triggering receptor expressed on myeloid cells 1 (TREM1) protein is an innate immune receptor that is primarily expressed on the cell surface of myeloid cells (1). TREM1 is a single-pass type I membrane glycoprotein that consists of an extracellular immunoglobulin-like domain, a transmembrane domain, and a cytoplasmic tail. TREM1, like its related protein TREM2, interacts with the tyrosine kinase-binding protein DAP12 to form a receptor-signaling complex (2). By accepting a diverse array of ligands, TREM1-expressing macrophages and neutrophils modulate inflammation through cytokine, chemokine, and receptor upregulation (2,3).				
Background References	<ol style="list-style-type: none"> Colonna, M. (2003) <i>Nat Rev Immunol</i> 3, 445-53. Thankam, F.G. et al. (2016) <i>Expert Rev Clin Immunol</i> 12, 1239-1249. Yuan, Z. et al. (2014) <i>J Biol Chem</i> 289, 15118-29. 				

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	FC-L: Flow Cytometry (Live)
Cross-Reactivity Key	H: Human
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