

**bs-2737R****[ Primary Antibody ]****TREML2 Rabbit pAb****BioSS**  
**ANTIBODIES**

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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 79865	<b>SWISS:</b> Q5T2D2	<b>IF</b> (1:100-500)
<b>Target:</b> TREML2		<b>ELISA</b> (1:5000-10000)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human TREML2: 65-150/321. < Extracellular >		<b>Reactivity:</b> (predicted: Human, Mouse, Rat, Pig, Sheep, Cow, Dog, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 33 kDa
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		<b>Subcellular Location:</b> Cell membrane
<b>Background:</b> TREML2 is expressed throughout B cell development in addition to being expressed on macrophages and neutrophils and is the only TREM molecule to be found on lymphocytes. TREML2 is expressed on B lineage cells early in development, and the highest level of expression is detected on those mature peripheral B cell subpopulations that are involved in the initial humoral immune response against bacterial pathogens. TREML2 is unique in that it lacks either the conserved transmembrane lysine residue or ITAM/ITIMs within its own cytoplasmic domain. Thus, TREML2 does not exhibit any of the features associated with classical tyrosine-based signaling. Monocytes in the bone marrow or peripheral blood do not express detectable levels of TREML2, but its expression is up-regulated in conjunction with differentiation into macrophages. TREML2 is present on neutrophils in the bone marrow as well as the periphery, and inflammatory stimuli result in a dramatic increase in the expression of TREML2 on these cells in vivo. TREML2 is a single-pass type I membrane protein, and it contains 1 Ig-like V-type (immunoglobulin-like) domain. It is a cell surface receptor that may play a role in the innate and adaptive immune response. TREML2 is located in a gene cluster on chromosome 6 with the single Ig variable (IgV) domain activating receptors TREM1 and TREM2, but it has distinct structural and functional properties.		

**— SELECTED CITATIONS —**

- **[IF=1.5]** Xin Zhang, et al. TREML2 enhances sensitivity of acute myeloid leukemia cells to chemotherapy by inhibiting the NF-κB/CXCL10 pathway..Blood Science.2025 Mar 18;7(2):e00223. IF ;Human. 40109578