

Product datasheet for **TA310281**

CD48 Rabbit Monoclonal Antibody [Clone ID: **EPR4108**]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EPR4108
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000 - 1:10000; IP: 1:10 - 1:100; IHC-P: 1:100 - 1:250; ICC: 1:250 - 1:500
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues in human CD48 was used as an immunogen.
Formulation:	pH: 7.40 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol, 0.05% BSA
Purification:	Tissue culture supernatant
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	28 kDa
Gene Name:	CD48 molecule
Database Link:	NP_001769 Entrez Gene 962 Human P09326
Background:	CD48 (BLAST1) is an activation-associated, glycosyl-phosphatidyl-inositol (GPI)-anchored cell surface glycoprotein expressed primarily in mitogen-stimulated human lymphocytes (1, 2). As a member of the CD2 family, CD48 interacts with CD2 as a low-affinity ligand on the surface of antigen-presenting cells (2, 3). In addition, it is a high-affinity ligand for 2B4. CD48-2B4 interactions can modulate T cell, B cell, and natural killer (NK) cell functions and cross-talk (4).
Synonyms:	BCM1; BLAST; BLAST1; hCD48; mCD48; MEM-102; SLAMF2



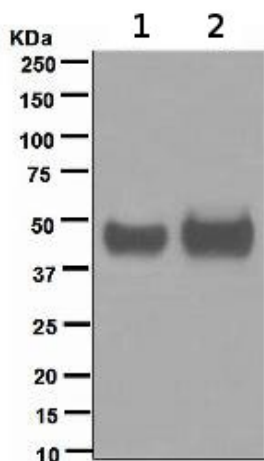
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Note: Is unsuitable for Flow Cyt.

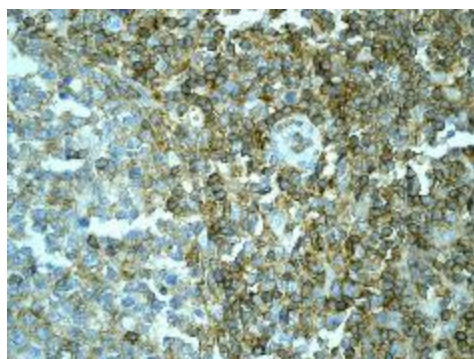
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Natural killer cell mediated cytotoxicity

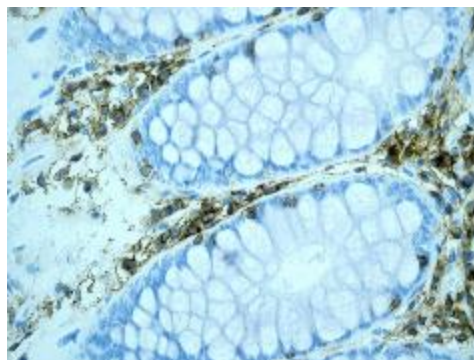
Product images:



Western blot - Anti-CD48 antibody [EPR4108]; All lanes : Anti-CD48 antibody [EPR4108] at 1/1000 dilution. Lane 1 : Raji cell lysate. Lane 2 : Jurkat cell lysate. Lysates/proteins at 10 ug per lane. Secondary. HRP labelled goat anti-rabbit at 1/2000 dilution. Predicted band size : 28 kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD48 antibody [EPR4108]; Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labelling CD48 with TA310281 at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD48 antibody [EPR4108]; Immunohistochemical analysis of paraffin-embedded Human colon tissue labelling CD48 with TA310281 at 1/100 dilution.