CD248 (TEM1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TEM1 CD248, Polyclonal Antibody
Full Product Name	TEM1 CD248 Antibody PE Conjugated
Product Gene Name	anti-TEM1 antibody
Product Synonym Gene Name	CD248
Product Synonym Names	TEM1; CD164L1; Endosialin; Tumor endothelial marker 1; CD248; TEM1 CD248
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.1M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% glycerol.
Purity/Purification	Purified by Protein A
Concentration	1mgml (lot specific)
Preparation and Storage	Store at -20° for one year. Avoid repeated freeze/thaw cycles.
Molecular Weight	757
OMIM	606064
3D Structure	ModBase 3D Structure for Q9HCU0
Conjugation	PE
Excitation Emission	480,565nm 578nm
Immunogen	KLH conjugated synthetic peptide aa 280-320 757 derived from human TEM 1
Cell Localization	Extracellular
Product Categories/Family for anti-TEM1 antibody	Conjugated Primary Antibodies
Applications Tested/Suitable for anti-TEM1 antibody	Immunofluorescence (IF)
Application Notes for anti-TEM1 antibody	IF: 1:50-200
Related Product Information for anti-TEM1 antibody	The transmembrane glycoprotein Tumor endothelial marker 1 (TEM1) is highly expressed in tumor endothelial cells however it is barely detectable on normal endothelial cells. It is believed to play a role in tumor angiogenesis. It is expressed in stromal fibroblasts, metastatic hepatic lesions and during angiogenesis of corpus luteum formation and wound healing. TEM1 is being investigated as a potential target for cancer treatment.
Other Notes	Small volumes of anti-TEM1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TEM1 purchase	MBS9460928 is an antibody targeting TEM1. Also known as TEM1 CD248 Antibody PE Conjugated. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TEM1. It may not necessarily be applicable to this product.

NCBI GI #	74752810
NCBI GeneID	57124
NCBI Accession #	Q9HCU0.1
UniProt Primary Accession #	Q9HCU0
UniProt Secondary Accession #	Q2M2V5; Q3SX55; Q96KB6
UniProt Related Accession #	Q9HCU0
NCBI Official Full Name	Endosialin
NCBI Official Synonym Full Names	CD248 molecule, endosialin
NCBI Official Symbol	CD248
NCBI Official Synonym Symbols	TEM1; CD164L1
UniProt Protein Name	Endosialin
UniProt Synonym Protein Names	Tumor endothelial marker 1; CD_antigen: CD248
Protein Family	AP2/ERF and B3 domain-containing transcription repressor
UniProt Gene Name	CD248
UniProt Synonym Gene Names	CD164L1; TEM1
UniProt Entry Name	CD248_HUMAN
NCBI Protein Information	endosialin; 2610111G01Rik; CD164 sialomucin-like 1; CD248 antigen, endosialin; tumor endothelial marker 1
UniProt Comments for TEM1	CD248: May play a role in tumor angiogenesis. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 11q13 Cellular Component: proteinaceous extracellular matrix; cytoplasm; integral to membrane Molecular Function: extracellular matrix binding; calcium ion binding; carbohydrate binding Biological Process: cell migration; positive regulation of cell proliferation; anatomical structure regression; lymph node development
Research Articles on TEM1	**1.** The genes CD248, Ephb1 and P2RY2 were detected as the top overexpressed in GC biopsies.
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