10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-TEM1 / Endosialin / CD248 Reference Antibody (ontuxizumab)

Recombinant Antibody
Catalog # APR10573

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q9HCU0
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	80859

Additional Information

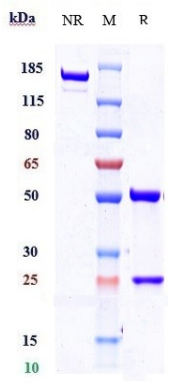
Target/Specificity	TEM1 / Endosialin / CD248
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Protein Information

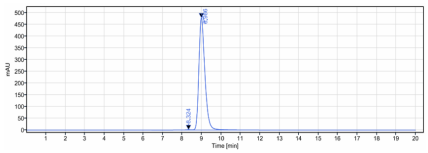
Name	CD248
Synonyms	CD164L1, TEM1
Function	Cell surface glycoprotein involved in various biological processes including angiogenesis, immune response modulation, and tissue remodeling and repair. Participates in pericyte proliferation through positive modulation of the PDGF receptor signaling pathway (PubMed:20484976). Acts as a scaffold for factor X, triggering allosteric changes and the spatial re-alignment of factor X with the TF-factor VIIa complex, thereby enhancing coagulation activation. Modulates the insulin signaling pathway by interacting with insulin receptor/INSR and by diminishing its capacity to be autophosphorylated in response to insulin. Also regulates LPS-induced inflammatory response in macrophages by favoring the production of proinflammatory cytokines. In human, negatively regulates T-cell proliferation compared with stromal cells where it increases proliferation (PubMed:21466550).
Cellular Location	Membrane; Single-pass type I membrane protein

Tissue Location	Expressed in tumor endothelial cells but absent or barely detectable in normal endothelial cells. Expressed in metastatic lesions of the liver and during angiogenesis of corpus luteum formation and wound healing. Expressed in vascular endothelial cells of malignant tumors but not in normal blood vessels. Expressed in stromal fibroblasts. Strongly expressed in pericytes (PubMed:20484976) Expressed on stromal cells and cells with lymphoid morphology such a T- cells (PubMed:21466550).

Images



Anti-TEM1 / Endosialin / CD248 Reference Antibody (ontuxizumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-TEM1 / Endosialin / CD248 Reference Antibody (ontuxizumab) is 99.57%, determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.