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

Recombinant Antibody
Catalog # APR10573

Specification

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

Application	**FC, E, FTA**
Primary Accession	Q9HCU0
Reactivity	**Cynomolgus, Human**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**145 KDa**

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

Target/Specificity
TEM1 / Endosialin / CD248

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

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

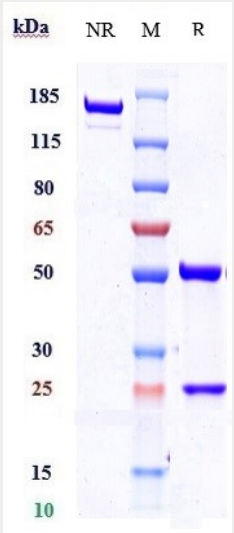
Tissue Location
Expressed in tumor endothelial cells but absent or barely detectable in normal endothelial cells. Expressed in metastatic lesions of the liver and during angiogenesis of corpus luteum formation and wound healing. Expressed in vascular endothelial cells of malignant tumors but not in normal 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).

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

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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



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

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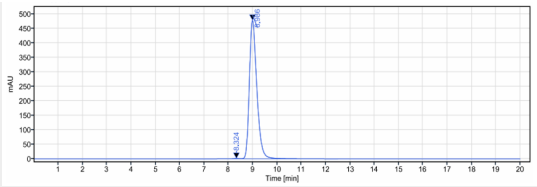

The purity of Anti-TEM1 / Endosialin / CD248 Reference Antibody (ontuxizumab)is more than 99.57% ,determined by SEC-HPLC.