

For Research Use Only

Anti-Human TEM1/CD248 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98709-3-PBS



Basic Information

Catalog Number: 98709-3-PBS	GenBank Accession Number: BC051340	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 57124	CloneNo.: 251338B12
Source: Rabbit	UNIPROT ID: Q9HCU0	
Isotype: IgG	Full Name: CD248 molecule, endosialin	
Immunogen Catalog Number: EG4427	Calculated MW: 757 aa, 81 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

TEM1 (Tumor endothelial marker 1), also named as CD248, Endosialin and CD164L1, is a C-type lectin-like domain (CTLD) containing type I transmembrane glycoprotein. It is now considered to be a highly selective marker for activated perivascular and stromal cells, detected in most cancers and at least some inflammatory disorders. CD248 plays a role in tumor angiogenesis. It is a potential diagnostic tool and therapeutic target of inflammatory and malignant disease. Two isoforms of human TEM1 exist. The calculated molecular weights of the two isoforms are 81 kDa and 46 kDa, respectively. Native TEM1 can be glycosylated, and the glycosylated form has a larger apparent molecular weight than 81 kDa.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

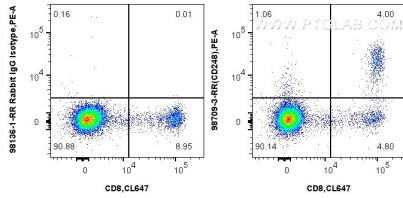
T: 4006900926

E: Proteintech-CN@ptglab.com

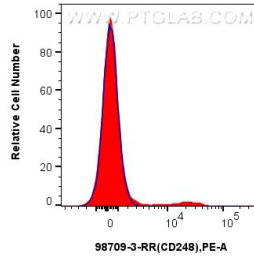
W: ptgcn.com

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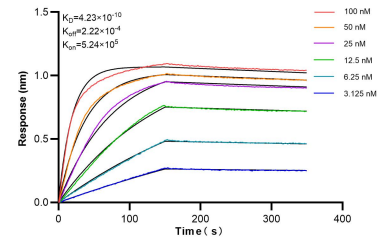
Selected Validation Data



1x10⁶ human peripheral blood lymphocytes were surface stained with 0.25 ug Anti-Human TEM1/CD248 Rabbit RecAb (98709-3-RR, Clone: 251338B12) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD8a. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone.



1x10⁶ human peripheral blood lymphocytes were surface stained with 0.25 ug Anti-Human TEM1/CD248 Rabbit RecAb (98709-3-RR, Clone: 251338B12) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98709-3-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 98709-3-RR against Human TEM1/CD248 were performed. The affinity constant is 0.423 nM.