

For Research Use Only

Anti-Human ANTXR2 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98810-1-PBS



Basic Information

Catalog Number: 98810-1-PBS	GenBank Accession Number: NM_001145794	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 118429	CloneNo.: 252595F1
Source: Rabbit	UNIPROT ID: P58335-1	
Isotype: IgG	Full Name: anthrax toxin receptor 2	
Immunogen Catalog Number: EG7580	Calculated MW: 54 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

ANTXR2 (anthrax toxin receptor 2), also known as CMG2 (capillary morphogenesis gene 2 protein) is a transmembrane protein that is induced during capillary morphogenesis. It contains a vWA domain that shows strong binding to laminin and collagen IV, suggesting that this protein plays a role in basement membrane matrix assembly and endothelial cell morphogenesis (PMID: 11683410; 14508707). Like its paralog TEM8 (ANTXR1), ANTXR2 also functions as a receptor for anthrax toxin. Mutations in ANTXR2 result in the allelic disorders juvenile hyaline fibromatosis and infantile systemic hyalinosi (PMID: 14508707; 12973667; 22383261).

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:

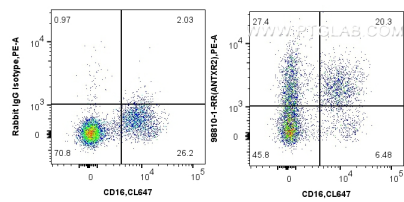
T: 4006900926

E: Proteintech-CN@ptglab.com

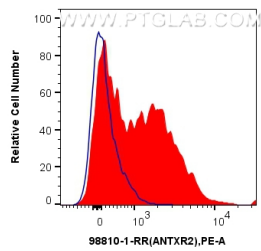
W: ptgcn.com

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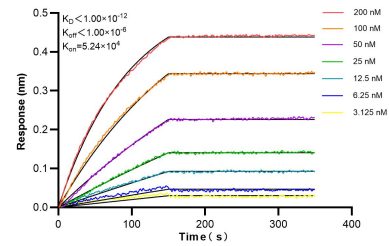
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human ANTXR2 Rabbit RecAb (98810-1-RR, Clone: 252595F1) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD16. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human ANTXR2 Rabbit RecAb (98810-1-RR, Clone: 252595F1) (red) or Rabbit IgG Isotype Control Recombinant Antibody (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 98810-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98810-1-RR against Human ANTXR2 were performed. The affinity constant is below 1 pM.