

For Research Use Only

Anti-Human ANTXR2 Rabbit Recombinant Antibody

Catalog Number: 98810-1-RR



Basic Information

Catalog Number:

98810-1-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG7580

GenBank Accession Number:

NM_001145794

GeneID (NCBI):

118429

UNIPROT ID:

P58335-1

Full Name:

anthrax toxin receptor 2

Calculated MW:

54 kDa

Purification Method:

Protein A purification

CloneNo.:

252595F1

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

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 hyalinosis (PMID: 14508707; 12973667; 22383261).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

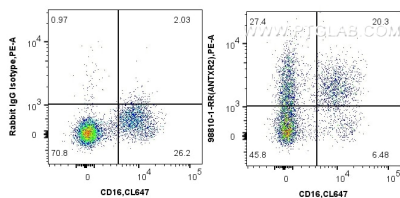
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

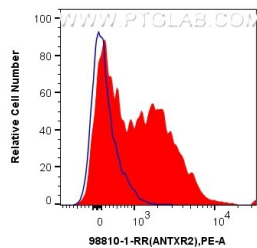
E: proteintech@ptglab.com
W: ptglab.com

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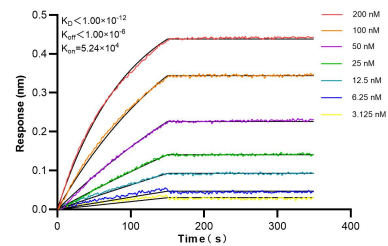
Selected Validation Data



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.



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.



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