

For Research Use Only

Anti-Human TNFRSF13B/CD267 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98100-1-PBS



Basic Information

Catalog Number:

98100-1-PBS

Size:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC109392

GeneID (NCBI):

23495

UNIPROT ID:

O14836

Full Name:

tumor necrosis factor receptor superfamily, member 13B

Calculated MW:

293 aa, 32 kDa

Purification Method:

Protein A purification

CloneNo.:

241317D8

Applications

Tested Applications:

FC, Cytometric bead array, Indirect ELISA

Species Specificity:

human

Product Information

98100-1-PBS targets TNFRSF13B/CD267 as part of a matched antibody pair:

MP01167-1: 84266-1-PBS capture and 98100-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

Tumor necrosis factor receptor superfamily member 13B (TNFRSF13B), also known as CD267 or TACI, is a transmembrane protein of the TNF receptor superfamily found predominantly on B cells (PMID: 10920230). TACI is also expressed on activated T cells, myeloma cells, and expressed by monocytes intracellularly at a low level (PMID: 11429548; 16825497). TNFRSF13B is a receptor for TNFSF13/APRIL/CD256 and TNFSF13B/BAFF/CD257 and mediates calcineurin-dependent activation of NF-AT, as well as activation of NF-κB and AP-1 (PMID: 10956646; 10973284; 9311921). It is involved in the stimulation of B- and T-cell function and the regulation of humoral immunity.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

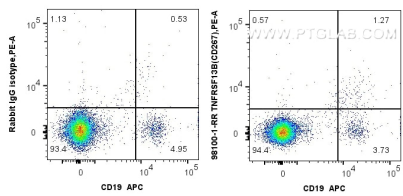
For technical support and original validation data for this product please contact:

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

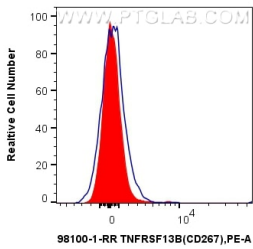
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

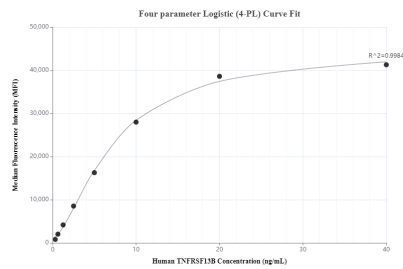
Selected Validation Data



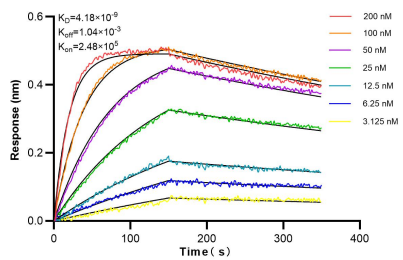
1x10⁶ human PBMCs were stained with CoraLite® Plus 647 Anti-Human CD19 (4G7) Mouse IgG2a Recombinant Antibody (CL647-65562, Clone: 4G7) and 0.25 ug Anti-Human TNFRSF13B/CD267 Rabbit Recombinant Antibody (98100-1-RR, Clone:241317D8) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), or Isotype Control. Cells were not fixed. This data was developed using the same antibody clone with 98100-1-PBS in a different storage buffer formulation.



1x10⁶ human PBMCs were stained with 0.25 ug Anti-Human TNFRSF13B/CD267 Rabbit Recombinant Antibody (98100-1-RR, Clone:241317D8)(red)and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), or Isotype Control(blue). Cells were not fixed. This data was developed using the same antibody clone with 98100-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01167-1, TNFRSF13B/CD267 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84266-1-PBS. Detection antibody: 98100-1-PBS. Standard: RP02325. Range: 0.313-40 ng/mL



Biolayer interferometry (BLI) kinetic assays of 98100-1-RR against Human TNFRSF13B/CD267 were performed. The affinity constant is 4.18 nM.