

For Research Use Only

# TNFRSF9/CD137 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83893-4-PBS



## Basic Information

<b>Catalog Number:</b> 83893-4-PBS	<b>GenBank Accession Number:</b> BC006196	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3604	<b>CloneNo.:</b> 241006G5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q07011	
<b>Isotype:</b> IgG	<b>Full Name:</b> tumor necrosis factor receptor superfamily, member 9	
	<b>Calculated MW:</b> 28 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

83893-4-PBS targets TNFRSF9/CD137 as part of a matched antibody pair:

MP00870-2: 83893-1-PBS capture and 83893-4-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

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.

## Storage

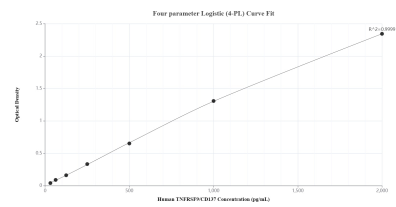
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

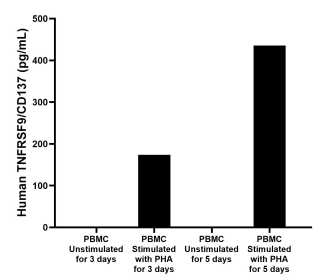
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

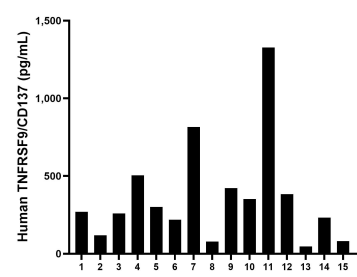
Selected Validation Data



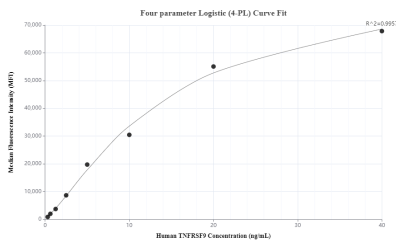
Sandwich ELISA standard curve of MP00870-2, Human TNFRSF9/CD137 Recombinant Matched Antibody Pair - PBS only. 83893-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0016. 83893-4-PBS was HRP conjugated as the detection antibody. Range: 31.25-2000 pg/mL



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 µg/mL PHA for 3 days or 5 days. For the PBMC supernatant cultured for 3 days, the mean TNFRSF9 concentration was undetermined in unstimulated PBMC supernatant, 173.5 pg/mL in PHA stimulated PBMC supernatant. For the PBMC supernatant cultured for 5 days, the mean TNFRSF9/CD137 concentration was undetermined in unstimulated PBMC supernatant, 435.7 pg/mL



Serum of fifteen individual healthy human donors was measured. The TNFRSF9/CD137 concentration of detected samples was determined to be 360.9 pg/mL with a range of 47.6-1,328.1 pg/mL



Cytometric bead array standard curve of MP00870-2, TNFRSF9/CD137 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83893-1-PBS. Detection antibody: 83893-4-PBS. Standard: Eg0016. Range: 0.313-40 ng/mL