

For Research Use Only

TSG-6 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83163-4-PBS



Basic Information

Catalog Number: 83163-4-PBS	GenBank Accession Number: BC030205	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7130	CloneNo.: 230438D5
Source: Rabbit	UNIPROT ID: P98066	
Isotype: IgG	Full Name: tumor necrosis factor, alpha-induced protein 6	
Immunogen Catalog Number: AG3885	Calculated MW: 277 aa, 31 kDa	
	Observed MW: 39-45 kDa	

Applications

Tested Applications:
WB, FC (Intra), Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human, mouse

Product Information

83163-4-PBS targets TSG-6 as part of a matched antibody pair.

MP00218-3: 83163-4-PBS capture and 83163-3-PBS detection (validated in 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

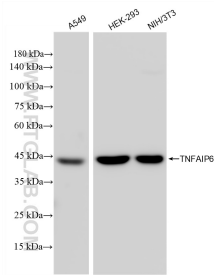
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

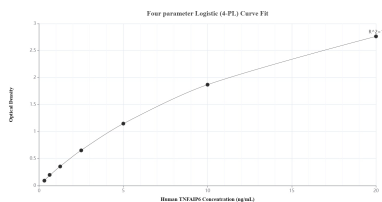
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

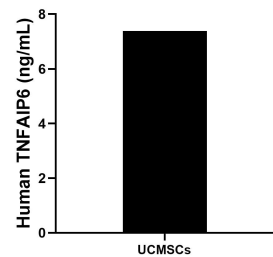
Selected Validation Data



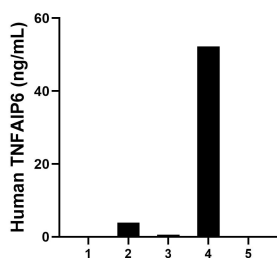
Various lysates were subjected to SDS PAGE followed by western blot with 83163-4-RR (TNFAIP6 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83163-4-PBS in a different storage buffer formulation.



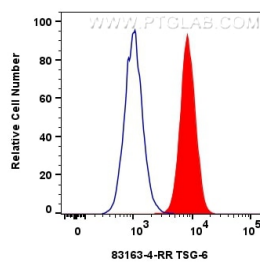
Sandwich ELISA standard curve of MP00218-3, Human TSG-6 Recombinant Matched Antibody Pair - PBS only. 83163-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag3885. 83163-3-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



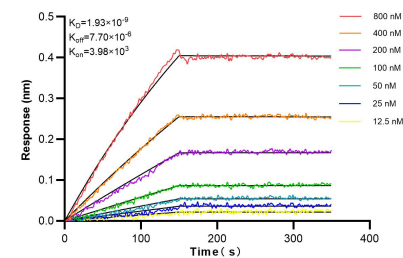
The mean TSG-6 concentration was determined to be 7.39 ng/mL in UCMSCs cell extract based on a 3.0 mg/mL extract load.



Serum of five individual healthy human donors was measured. The TSG-6 concentration of detected samples was determined to be 11.38 ng/mL with a range of 0.03-52.26 ng/mL



1x10⁶ A549 cells were intracellularly stained with 0.25 ug TSG-6 Recombinant antibody (83163-4-RR, Clone:230438D5) and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83163-4-PBS in a



Biolayer interferometry (BLI) kinetic assays of 83163-4-RR against Human TSG-6 were performed. The affinity constant is 1.93 nM.