

For Research Use Only

TNF-alpha Recombinant antibody, PBS Only (Detector)

Catalog Number: 83721-6-PBS



Basic Information

Catalog Number: 83721-6-PBS	GenBank Accession Number: NM_000594.4	Purification Method: Protein A purification
Size: 100ug , Concentration: 1000 µg/ml by 7124 Nanodrop;	GeneID (NCBI): 7124	CloneNo.: 240668A4
Source: Rabbit	ENSEMBL Gene ID: ENSG00000232810	
Isotype: IgG	UNIPROT ID: P01375	
	Full Name: tumor necrosis factor (TNF superfamily, member 2)	
	Calculated MW: 26 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

83721-6-PBS targets TNF-alpha as part of a matched antibody pair:

MP00702-4: 83721-5-PBS capture and 83721-6-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

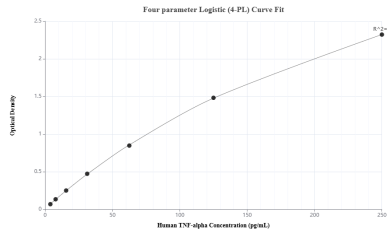
For technical support and original validation data for this product please contact:

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

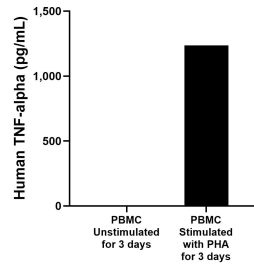
E: proteintech@ptglab.com
W: ptglab.com

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

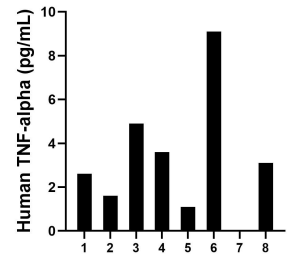
Selected Validation Data



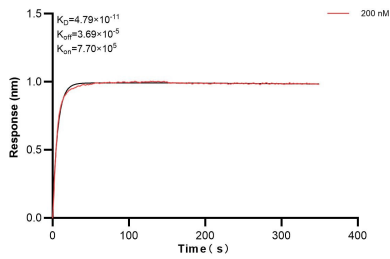
Sandwich ELISA standard curve of MP00702-4, TNF-alpha Recombinant Matched Antibody Pair - PBS only. 83721-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0816. 83721-6-PBS was HRP conjugated as the detection antibody. Range: 3.9-250 pg/mL.



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 µg/mL PHA for 3 days. The mean TNF-alpha concentration was determined to be 1.3 pg/mL in unstimulated PBMC supernatant, 1236.3 pg/mL in PHA stimulated PBMC supernatant.



Serum of seven individual healthy human donors was measured. The human TNF-alpha concentration of detected samples was determined to be 3.25 pg/mL with a range of ND-9.1 pg/mL.



Biolayer interferometry (BLI) kinetic assay of 83721-6-PBS against Human TNF-alpha was performed. The affinity constant is 47.9 pM.