

For Research Use Only

# TNF-alpha Recombinant antibody, PBS Only (Capture)

Catalog Number:83721-1-PBS



## Basic Information

<b>Catalog Number:</b> 83721-1-PBS	<b>GenBank Accession Number:</b> NM_000594.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7124	<b>CloneNo.:</b> 240668B2
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000232810	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P01375	
	<b>Full Name:</b> tumor necrosis factor (TNF superfamily, member 2)	
	<b>Calculated MW:</b> 26 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

83721-1-PBS targets TNF-alpha as part of a matched antibody pair:

MP00702-3: 83721-1-PBS capture and 83721-2-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.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

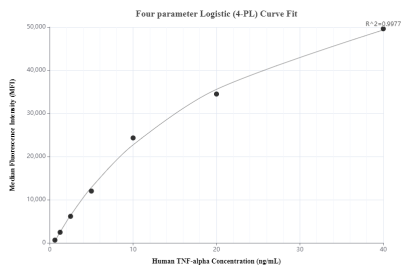
For technical support and original validation data for this product please contact:

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

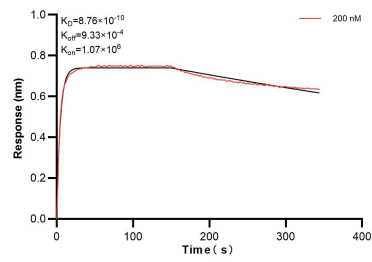
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



Cytometric bead array standard curve of MP00702-3, TNF-alpha Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83721-1-PBS. Detection antibody: 83721-2-PBS. Standard: Eg0816. Range: 0.628-40 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 83721-1-PBS against Human TNF-alpha was performed. The affinity constant is 0.876 nM.