

For Research Use Only

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

Catalog Number: 83721-5-PBS



## Basic Information

Catalog Number:

83721-5-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000594.4

GeneID (NCBI):

7124

ENSEMBL Gene ID:

ENSG00000232810

UNIPROT ID:

P01375

Full Name:

tumor necrosis factor (TNF  
superfamily, member 2)

Calculated MW:

26 kDa

Purification Method:

Protein A purification

CloneNo.:

240668E6

## Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA, Indirect ELISA,  
Sample test

Species Specificity:

human

## Background Information

### Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

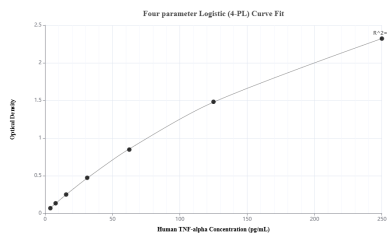
T: 4006900926

E: Proteintech-CN@ptglab.com

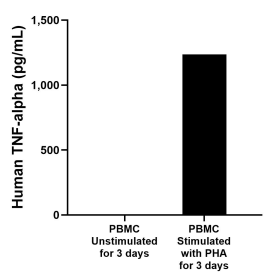
W: ptgcn.com

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

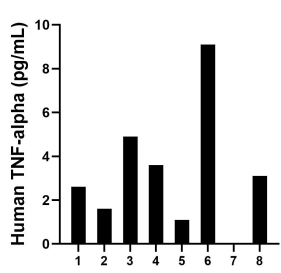
## Selected Validation Data



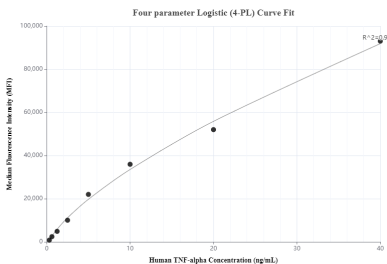
Sandwich ELISA standard curve of MP00702-4, TNF-alpha Recombinant Matched Antibody Pair - PBS only. 83721-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ego816. 83721-6-PBS was HRP conjugated as the detection antibody. Range: 3.9-250 pg/mL.



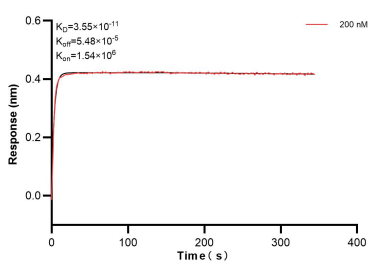
Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10  $\mu$ g/mL PHA for 3 days. The mean TNF-alpha concentration was determined to be 1.3 pg/mL in unstimulated PBMC supernatant, 1236.3 pg/mL in PHA stimulated PBMC supernatant.



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.



Cytometric bead array standard curve of MP00702-2, TNF-alpha Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83721-5-PBS. Detection antibody: 83721-4-PBS. Standard: Ego816. Range: 0.313-40 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 83721-5-PBS against Human TNF-alpha was performed. The affinity constant is 35.5 pM.