

# TNF-alpha Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP00702-4

## Capture Antibody Information

**Catalog Number:**  
83721-5-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
240668E6  
**Reactivity:**  
human  
**GenBank:**  
NM\_000594.4

**Conjugate:**  
Unconjugated  
**Full name:**  
tumor necrosis factor (TNF superfamily, member 2)  
**Gene ID:**  
7124

## Detection Antibody Information

**Catalog Number:**  
83721-6-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
240668A4  
**Reactivity:**  
human  
**GenBank:**  
NM\_000594.4

**Conjugate:**  
Unconjugated  
**Full name:**  
tumor necrosis factor (TNF superfamily, member 2)  
**Gene ID:**  
7124

## Applications

**Tested Applications:**  
Sandwich ELISA

**Range:**  
3.9-250 pg/mL (Sandwich ELISA)

**Recommended Dilutions:**  
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP00702-4 targets TNF-alpha in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: TNF-alpha Recombinant antibody, PBS Only (Capture) 83721-5-PBS (240668E6). 100 µg. Concentration 1 mg/ml.

Detection antibody: TNF-alpha Recombinant antibody, PBS Only (Detector) 83721-6-PBS (240668A4). 100 µg. Concentration 1 mg/ml.

Alternative TNF-alpha matched antibody pairs: MP00702-1, MP00702-2, MP00702-3

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

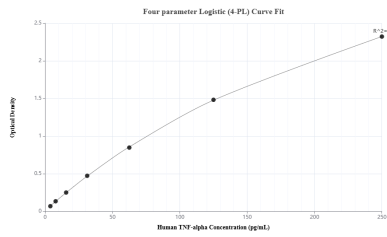
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

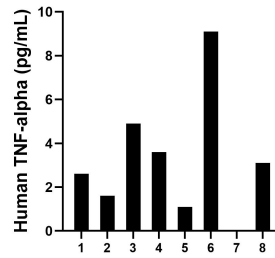
## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
**Storage buffer:**  
PBS only

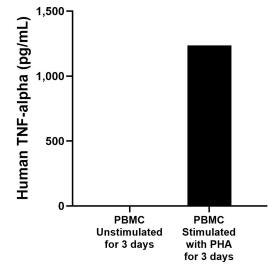
## Selected Validation Data



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



Serum of eight individual healthy human donors was measured. The human TNF-alpha concentration of detected samples was determined to be 1.76 pg/mL with a range of 0.72 - 2.78 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.