

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: MP00682-1, MP00682-2, MP00682-3, MP00702-1, MP00702-2, MP00702-3, MP50093-1

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.

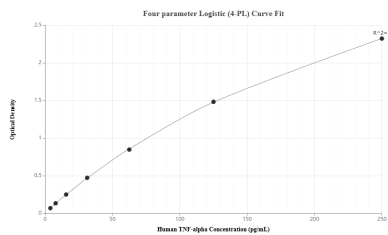
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

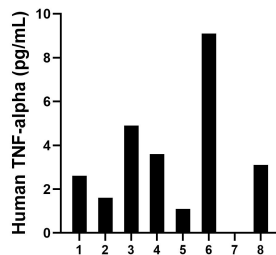
Storage

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

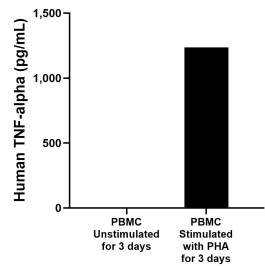
Selected Validation Data



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 Ego816. 83721-6-PBS was HRP conjugated as the detection antibody. Range: 3.9-250 pg/mL.



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.



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.