

# Rat TNF-alpha Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02049-1**

## Capture Antibody Information

**Catalog Number:**  
82863-3-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
5H8  
**Reactivity:**  
rat  
**GenBank:**  
BC107671

**Conjugate:**  
Unconjugated  
**Full name:**  
tumor necrosis factor (TNF superfamily, member 2)  
**Gene ID:**  
24835

## Detection Antibody Information

**Catalog Number:**  
82863-7-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
5G5  
**Reactivity:**  
rat  
**GenBank:**  
BC107671

**Conjugate:**  
Unconjugated  
**Full name:**  
tumor necrosis factor (TNF superfamily, member 2)  
**Gene ID:**  
24835

## Applications

**Tested Applications:**  
Sandwich ELISA

**Range:**  
7.81-500 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

MP02049-1 targets TNF-alpha in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Rat TNF-alpha Recombinant antibody, PBS Only (Capture) 82863-3-PBS (5H8). 100 µg. Concentration 1 mg/mL.

Detection antibody: Rat TNF-alpha Recombinant antibody, PBS Only (Detector) 82863-7-PBS (5G5). 100 µg. Concentration 1 mg/mL.

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.

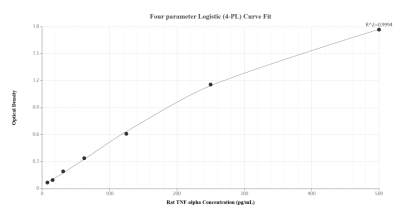
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

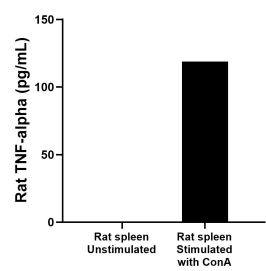
## Storage

**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 MP02049-1, Rat TNF-alpha Recombinant Matched Antibody Pair - PBS only. 82863-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg31374. 82863-7-PBS was HRP conjugated as the detection antibody. Range: 7.81-500 pg/mL.



Rat spleens were cut into 1-2 mm pieces and cultured unstimulated or stimulated with 5  $\mu$ g/mL ConA for 2 days. The mean TNF-alpha concentration was not determined in unstimulated supernatant, 118.8 pg/mL in ConA stimulated supernatant.