

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

Catalog Number: MP00682-5

## Capture Antibody Information

<b>Catalog Number:</b> 80260-4-PBS	<b>Clone ID:</b> 251853H7	<b>Conjugate:</b> Unconjugated
<b>Host:</b> Rabbit	<b>Reactivity:</b> mouse	<b>Full name:</b> tumor necrosis factor
<b>Isotype:</b> IgG	<b>GenBank:</b> NM_001278601.1	<b>Gene ID:</b> 21926
<b>Purification Method:</b> Protein A purification	<b>Immunogen Catalog Number:</b> Eg1773	

## Detection Antibody Information

<b>Catalog Number:</b> 80260-7-PBS	<b>Clone ID:</b> 251832E9	<b>Conjugate:</b> Unconjugated
<b>Host:</b> Rabbit	<b>Reactivity:</b> mouse	<b>Full name:</b> tumor necrosis factor
<b>Isotype:</b> IgG	<b>GenBank:</b> NM_001278601.1	<b>Gene ID:</b> 21926
<b>Purification Method:</b> Protein A purification	<b>Immunogen Catalog Number:</b> Eg1773	

## Applications

<b>Tested Applications:</b> Sandwich ELISA	<b>Range:</b> 39.1-2500 pg/mL (Sandwich ELISA)	<b>Recommended Dilutions:</b> It is recommended that this reagent should be titrated in each testing system to obtain optimal results.
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## Product Information

MP00682-5 targets TNF-alpha in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Mouse TNF-alpha Recombinant monoclonal antibody, PBS Only (Capture) 80260-4-PBS (251853H7). 100 µg. Concentration 1 mg/mL.

Detection antibody: Mouse TNF-alpha Recombinant monoclonal antibody, PBS Only (Detector) 80260-7-PBS (251832E9). 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.

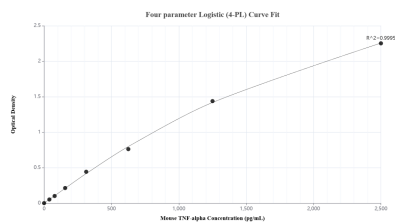
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

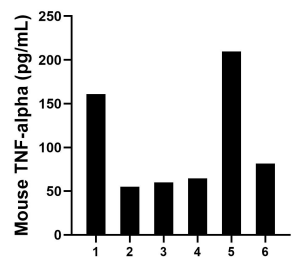
## Storage

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

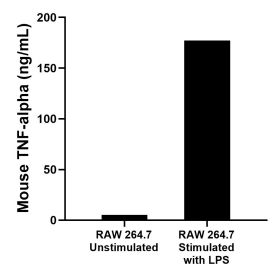
## Selected Validation Data



Sandwich ELISA standard curve of MP00682-5, Mouse TNF-alpha Recombinant Matched Antibody Pair - PBS only. 80260-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1773. 80260-7-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



Serum of six mice was measured. The TNF-alpha concentration of detected samples was determined to be 105.3 pg/mL with a range of 55.1-209.7 pg/mL



RAW 264.7 cells were cultured unstimulated or stimulated with 1  $\mu$ g/mL LPS for 4 days. The mean TNF-alpha concentration was determined to be 5.2 ng/mL in unstimulated supernatant, 177.2 ng/mL in LPS stimulated supernatant.