

# Mouse VEGF Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00561-4**

## Capture Antibody Information

**Catalog Number:**

84093-2-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

241391G1

**Reactivity:**

mouse

**GenBank:**

NM\_001287058

**Conjugate:**

Unconjugated

**Full name:**

vascular endothelial growth factor A

**Gene ID:**

22339

## Detection Antibody Information

**Catalog Number:**

84093-5-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

241391F2

**Reactivity:**

mouse

**GenBank:**

NM\_001287058

**Conjugate:**

Unconjugated

**Full name:**

vascular endothelial growth factor A

**Gene ID:**

22339

## 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

MP00561-4 targets VEGF in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Mouse VEGFA Recombinant antibody, PBS Only (Capture) 84093-2-PBS (241391G1). 100 µg. Concentration 1 mg/mL.

Detection antibody: Mouse VEGFA Recombinant antibody, PBS Only (Detector) 84093-5-PBS (241391F2). 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:**

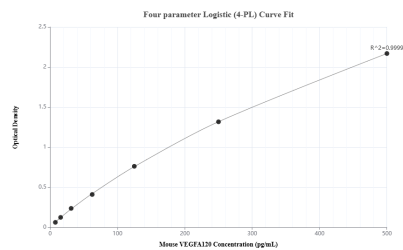
Store at -80°C.

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

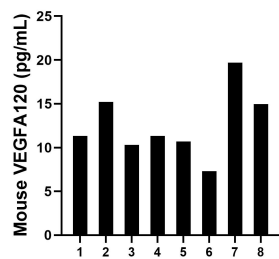
**Storage buffer:**

PBS only

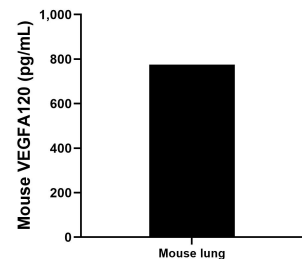
## Selected Validation Data



Sandwich ELISA standard curve of MP00561-4, Mouse VEGF Recombinant Matched Antibody Pair - PBS only. 84093-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ego278. 84093-5-PBS was HRP conjugated as the detection antibody. Range: 7.81-500 pg/mL



Serum of eight mice was measured. The mouse VEGF concentration of detected samples was determined to be 12.6 pg/mL with a range of 7.3 - 19.7 pg/mL.



Mouse lung tissue was rinsed with 1X PBS to remove excess blood, homogenized in 20 mL of 1X PBS and stored overnight at  $\leq -20^{\circ}\text{C}$ . Homogenates were thawed and centrifuged for 5 minutes at 5000 x g. Homogenates were assayed for mouse VEGF and measured 775.6 pg/mL based on a 1.8 mg/mL extract load.