

Rat VEGF Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00598-3**

Capture Antibody Information

Catalog Number:
83610-1-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
240573B1
Reactivity:
rat
GenBank:
NM_001287108.1

Conjugate:
Unconjugated
Full name:
vascular endothelial growth factor A
Gene ID:
83785

Detection Antibody Information

Catalog Number:
83610-2-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
240573B3
Reactivity:
rat
GenBank:
NM_001287108.1

Conjugate:
Unconjugated
Full name:
vascular endothelial growth factor A
Gene ID:
83785

Applications

Tested Applications:
Sandwich ELISA

Range:
31.25-2000 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

MP00598-3 targets VEGF in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Rat VEGFA Recombinant antibody, PBS Only (Capture/Detector) 83610-1-PBS (240573B1). 100 µg. Concentration 1 mg/mL.

Detection antibody: Rat VEGFA Recombinant antibody, PBS Only (Capture/Detector) 83610-2-PBS (240573B3). 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.

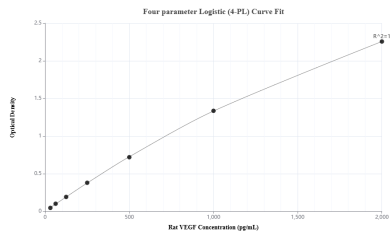
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

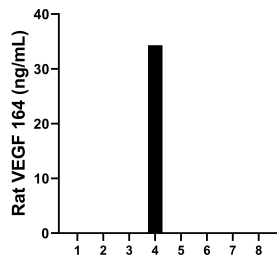
Storage

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

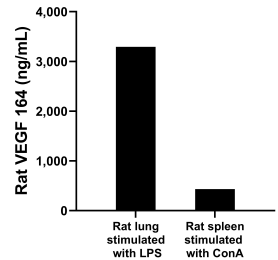
Selected Validation Data



Sandwich ELISA standard curve of MP00598-3, Rat VEGF Recombinant Matched Antibody Pair - PBS only. 83610-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0941. 83610-2-PBS was HRP conjugated as the detection antibody. Range: 31.25-2000 pg/mL



Serum of eight rats was measured. The VEGF concentration of one sample was determined to be 34.3 pg/mL, and the range of VEGF 164 concentration was 0 - 34.3 pg/mL



Rat lung, cut into 1-2 mm pieces, was cultured for 4 days in 25-30 mL of RPMI supplemented with 10% fetal bovine serum and stimulated with 2.5 ng/mL LPS. The cell culture supernatant was removed, assayed for rat VEGF, and measured 3292.9 pg/mL. Rat spleen, cut into 1-2 mm pieces, was cultured for 3-4 days in 25-30 mL of RPMI supplemented with 10% fetal bovine serum and stimulated with 10 μ g/mL ConA. The cell culture supernatant was removed, assayed for