For Research Use Only

Rat RBP4 Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP03620-1

proteintech®
Antibodies | ELISA kits | Proteins
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Capture Antibody Information

Catalog Number:
88642-3-PBS

Clone ID:
261446B11

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
rat

Full name:
retinol binding protein 4, plasma

Isotype:
IgG

Immunogen Catalog Number:
Eg9545

Gene ID:
25703

Purification Method:
Protein A purification

Detection Antibody Information

Catalog Number:
88642-2-PBS

Clone ID:
261446A5

Conjugate:
Unconjugated

Host:
Rabbit

Reactivity:
rat

Full name:
retinol binding protein 4, plasma

Isotype:
IgG

GenBank:
NM_013162.1

Gene ID:
25703

Purification Method:
Protein A purification

Immunogen Catalog Number:
Eg9545

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA

Range:
0.312-40 ng/mL (Cytometric Bead Array)
0.625-40 ng/mL (Sandwich ELISA)

Recommended Dilutions:
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

Product Information

MP03620-1 targets RBP4 in immunoassays as a matched antibody pair. Validated in Cytometric bead array, Sandwich ELISA.

Capture antibody: Rat Retinol Binding Protein 4 Recombinant monoclonal antibody, PBS Only (Capture) 88642-3-PBS (261446B11). 100 µg. Concentration 1 mg/ml.

Detection antibody: Rat Retinol Binding Protein 4 Recombinant monoclonal antibody, PBS Only (Detector) 88642-2-PBS (261446A5). 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.

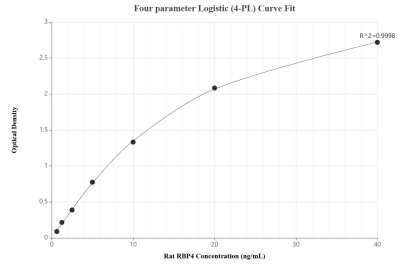
Storage

Storage:
Store at -80°C.
Storage buffer:
PBS only

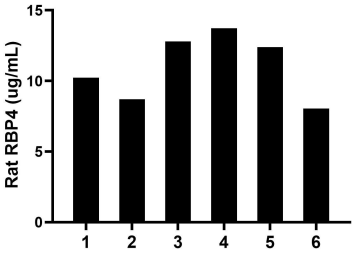
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

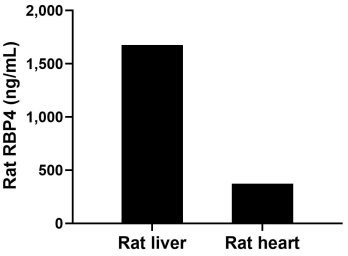
Selected Validation Data



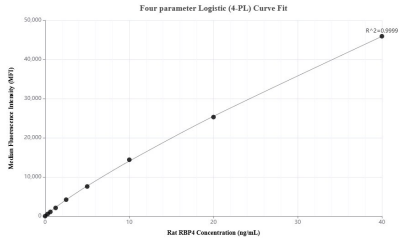
Sandwich ELISA standard curve of MP03620-1, Rat RBP4 Recombinant Matched Antibody Pair - PBS only. 88642-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg9545. 88642-2-PBS was HRP conjugated as the detection antibody. Range: 0.625-40 ng/mL.



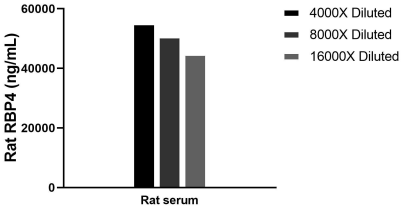
Serum of six rats was measured. The RBP4 concentration of detected samples was determined to be 10.98 ug/mL with a range of 8.04-13.74 ug/mL.



The mean RBP4 concentration was determined to be 1,676.20 ng/mL in rat liver extract based on a 8.20 mg/mL extract load and 372.00 ng/mL in rat heart extract based on a 6.70 mg/mL extract load.



Cytometric bead array standard curve of MP03620-1, RAT RBP4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88642-3-PBS. Detection antibody: 88642-2-PBS. Standard: Eg9545. Range: 0.312-40 ng/mL.



The mean RBP4 concentration was determined to be 50114.3 ng/mL in rat serum.