For Research Use Only

Rat Retinol Binding Protein 4 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number:88642-2-PBS

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Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
88642-2-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG9545

GenBank Accession Number:
NM_013162.1

GeneID (NCBI):
25703

UNIPROT ID:
P04916

Full Name:
retinol binding protein 4, plasma

Calculated MW:
23 kDa

Purification Method:
Protein A purification

CloneNo.:
261446A5

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:
rat

Product Information

88642-2-PBS targets Retinol Binding Protein 4 as part of a matched antibody pair:

MP03620-1: 88642-3-PBS capture and 88642-2-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) 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.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

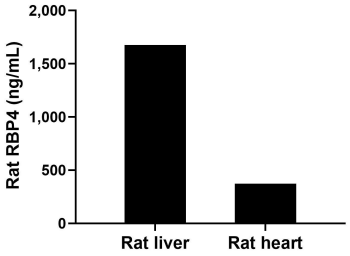
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

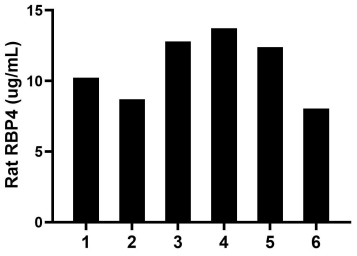
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

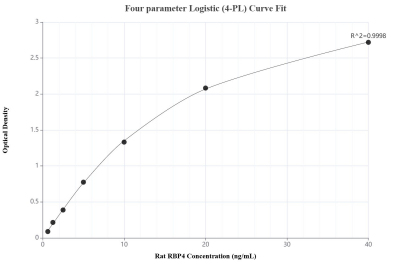
Selected Validation Data



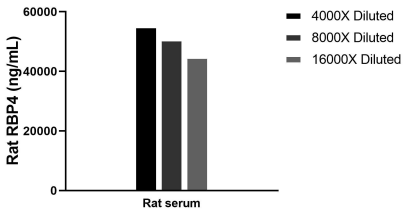
The mean RBP4 concentration was determined to be 1,676.20 ng/mL in rat liver extract based on a 8.20 mg/mL extract load and 372.00 ng/mL in rat heart extract based on a 6.70 mg/mL extract load.



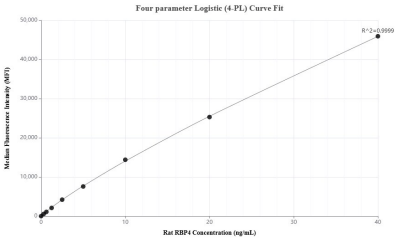
Serum of six rats was measured. The RBP4 concentration of detected samples was determined to be 10.98 ug/mL with a range of 8.04-13.74 ug/mL.



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.



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



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.