For Research Use Only

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

Catalog Number:88642-2-PBS

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## Basic Information

Catalog Number:
88642-2-PBS

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

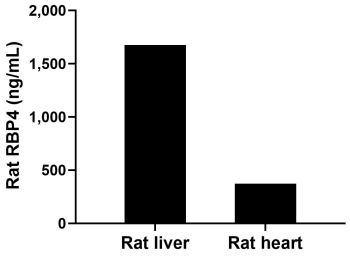
Species Specificity:
rat

## Background Information

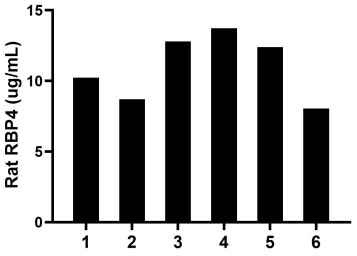
## Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

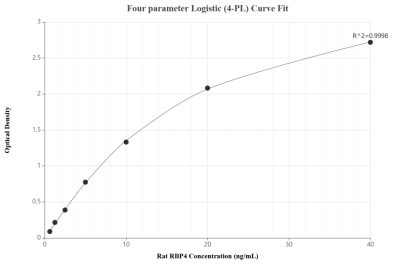
## Selected Validation Data



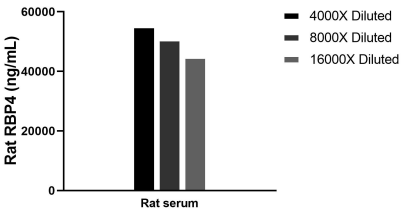

The mean RBP4 concentration was determined to be 1,676.20 ng/mL in rat liver extract based on a 8.20 mg/mL extract load and 372.00 ng/mL in rat heart extract based on a 6.70 mg/mL extract load.



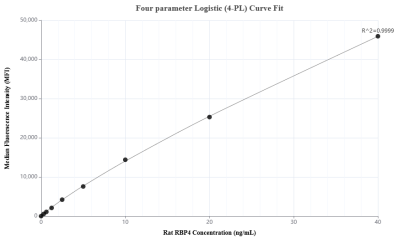

Serum of six rats was measured. The RBP4 concentration of detected samples was determined to be 10.98 ug/mL with a range of 8.04-13.74 ug/mL.




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.