

Mouse RBP-4 ELISA Kit | RBP-4 elisa kit

RBP-4 Mouse ELISA Kit

CATALOG # AAA59030	REACTIVITY Mouse	APPLICATIONS ELISA
------------------------------	----------------------------	------------------------------

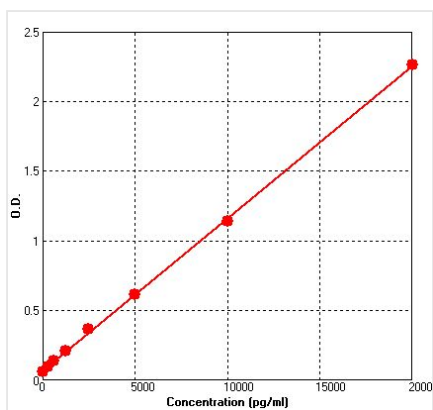
PRODUCT SYNONYMS

RBP-4; RBP-4 Mouse ELISA Kit; Mouse RBP-4; RBP-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Detection Range	312 pg/ml-20,000 pg/ml
Sensitivity	< 10pg/ml
Applicable Applications for RBP-4 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RBP-4 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-RBP4 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-RBP4 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the RBP4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of RBP4 can be calculated. Background: Retinol binding protein 4, plasma, also known as RBP4, is protein that in Mouse is encoded by the RBP4 gene. The RBP4 gene resides just centromeric of the cluster of CYP2C genes on 10q24. It belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. RBP4 has recently been described as an adipokine that contributes to insulin resistance in the AG4KO mouse model. It is secreted by adipocytes, and can act as a signal to other cells, when there is a decrease in plasma glucose concentration.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	226958688
NCBI GeneID	19662
NCBI Accession #	NP_001152959.1
NCBI GenBank Nucleotide #	NM_001159487.1
UniProt Accession #	Q00724; P70357; Q566I5
Molecular Weight	23,206 Da
NCBI Official Full Name	retinol-binding protein 4 isoform 1
NCBI Official Synonym Full Names	retinol binding protein 4, plasma
NCBI Official Symbol	Rbp4
NCBI Official Synonym Symbols	Rbp-4
NCBI Protein Information	retinol-binding protein 4; RBP; PRBP; plasma retinol-binding protein; retinol binding protein 4, cellular
UniProt Protein Name	Retinol-binding protein 4
UniProt Gene Name	Rbp4
UniProt Synonym Gene Names	PRBP; RBP
UniProt Entry Name	RET4_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.