

ARG81756 Mouse RBP4 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81756-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81756-002	Standard	2 X 20 ng/vial	4°C
ARG81756-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81756-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81756-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81756-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81756-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81756-008	25X Wash buffer	20 ml	4°C
ARG81756-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81756-010	STOP solution	10 ml (Ready to use)	4°C
ARG81756-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81756 Mouse RBP4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse RBP4 in serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	RBP4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	156 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Standard Range	312 - 20000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.9%; Inter-Assay CV: 7.2%
Alternate Names	Plasma retinol-binding protein; MCOPCB10; 1-176; RDCCAS; RBP; Retinol-binding protein 4; PRBP; 1-182; 1-179; 1-181

Application Instructions

Assay Time ~ 5 hours

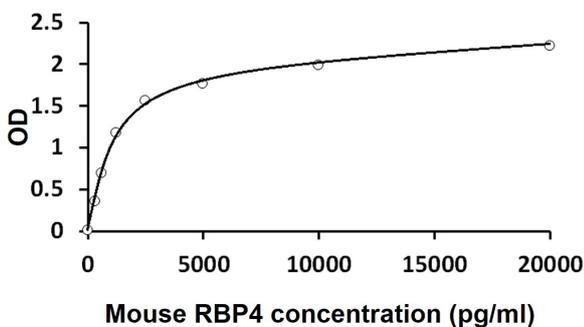
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	RBP4
Gene Full Name	retinol binding protein 4, plasma
Background	This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin which prevents its loss by filtration through the kidney glomeruli. A deficiency of vitamin A blocks secretion of the binding protein posttranslationally and results in defective delivery and supply to the epidermal cells. [provided by RefSeq, Jul 2008]
Function	Delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin, this prevents its loss by filtration through the kidney glomeruli. [UniProt]
Highlight	Related products: RBP4 antibodies ; RBP4 ELISA Kits ; RBP4 Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81756 Mouse RBP4 ELISA Kit standard curve image

ARG81756 Mouse RBP4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.