

RBP4 mouse mAb

Catalog No :	YM1504
Reactivity :	Human
Applications :	ELISA
Target :	RBP4
Gene Name :	rbp4
Human Gene Id :	5950
Human Swiss Prot No :	P02753
Mouse Swiss Prot No :	Q00724
Immunogen :	Purified recombinant human RBP4 protein fragments expressed in E.coli.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	ELISA 1:10000-20000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year (Do not lower than -25°C)
Observed Band :	23kD
Background :	retinol binding protein 4(RBP4) Homo sapiens 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 :

disease:A deficiency of vitamin A blocks secretion of the binding protein post-translationally and results in defective delivery and supply of vitamin to the epidermal cells (a condition associated with a dermatosis).,disease:Defects in RBP4 are a cause of retinol-binding protein deficiency [MIM:180250]. This condition causes night vision problems. It produces a typical "fundus xerophthalmicus," featuring a progressed atrophy of the retinal pigment epithelium.,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.,mass spectrometry: PubMed:12237133,mass spectrometry: PubMed:7666002,online information:Retina International's Scientific Newsletter,online information:Retinol-binding protein 4 entry,similarity:Belongs to the calycin superfamily

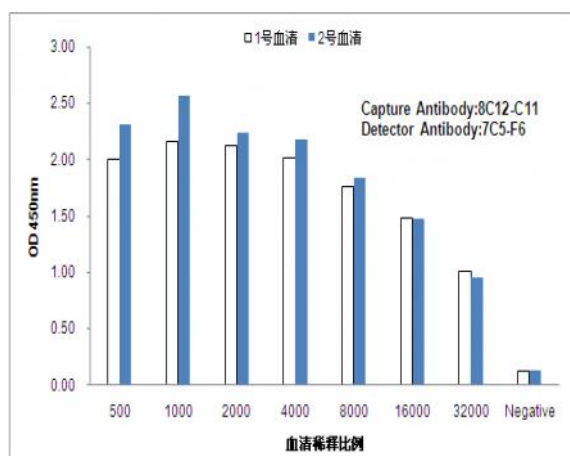
Subcellular Location :

Secreted .

Expression :

Detected in blood plasma and in urine (at protein level).

Products Images



Standard Curve for RBP4: Capture Antibody Mouse mAb (8C12-C11) to RBP4 and Detector Antibody Mouse mAb(7C5-F6) to RBP4.