



RBP4 mouse mAb

Catalog No	YP-Ab-00624
Isotype	IgG
Reactivity	Human
Applications	ELISA
Gene Name	rbp4
Immunogen	Purified recombinant human RBP4 protein fragments expressed in E.coli.
Specificity	
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	ELISA 1:10000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Plasma retinol binding protein;Plasma retinol-binding protein;Plasma retinol-binding protein(1-;RBP4;OTTHUMP00000020114;OTTHUMP00000020115;OTTHUMP00000020116;Plasma retinol binding protein 4;Plasma retinol-binding protein(1-176);PRBP;PRO2222;RBP;RDCCAS;RET4_HUMAN;Retinol binding protein 4;Retinol binding protein 4 interstitial;Retinol binding protein 4 plasma.
Observed Band	23kD
Calculated Molecular Weight	23kD
Cell Pathway	Secreted .
Tissue Specificity	Detected in blood plasma and in urine (at protein level).
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

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],

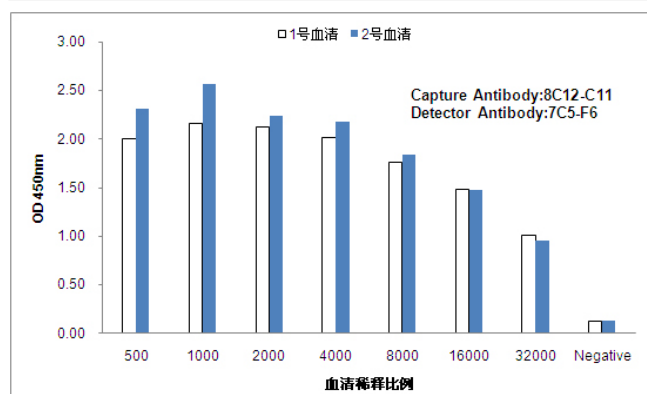
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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