

Human Retinol Binding Protein 1, Cellular (RBP1) ELISA Kit | RBP1 elisa kit

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CATALOG #
AAA20695

REACTIVITY
Human

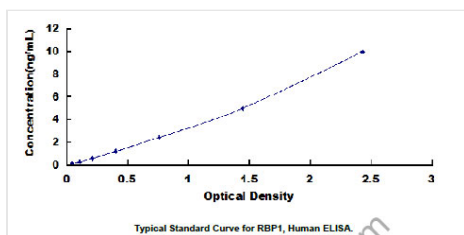
PRODUCT SYNONYMS

Retinol Binding Protein 1; Cellular (RBP1); Human Retinol Binding Protein 1; Cellular (RBP1) ELISA Kit; RBP-1; CRABP-I; CRBP; CRBP1; RBPC; Cellular retinol-binding protein I; RBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RASGRP2. No significant cross-reactivity or interference between RASGRP2 and analogues was observed.
Sequence Length	157
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RASGRP2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RASGRP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RBP1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of RASGRP2 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to RASGRP2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to RASGRP2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain RASGRP2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of RASGRP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for RBP1 elisa kit	Signal Transduction
References	Comprehensive Profiling of Secreted Factors in the Cerebrospinal Fluid of Moyamoya Disease Patients; K Abhinav

NCBI AND UNIPROT INFORMATION

NCBI GI #	195976809
NCBI GeneID	5947
NCBI Accession #	NP_001124464.1
NCBI GenBank Nucleotide #	NM_001130992.1
UniProt Accession #	P09455; Q6FGX8; A8K2Q0; B7Z7A0; E7EWW0; F2Z2F2
Molecular Weight	17,523 Da
NCBI Official Full Name	retinol-binding protein 1 isoform b
NCBI Official Synonym Full Names	retinol binding protein 1, cellular
NCBI Official Symbol	RBP1
NCBI Official Synonym Symbols	CRBP; RBPC; CRBP1; CRBPI; CRABP-I
NCBI Protein Information	retinol-binding protein 1
UniProt Protein Name	Retinol-binding protein 1
UniProt Gene Name	RBP1
UniProt Synonym Gene Names	CRBP1; CRBP; CRBP-I
UniProt Entry Name	RET1_HUMAN

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.