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

Human Retinol-Binding Protein 1 (RBP1) ELISA Kit

CATALOG #	REACTIVITY
AAA331016	**Human**

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Retinol-binding protein 1 (RBP1) ELISA Kit has high sensitivity and excellent specificity for detection of Human RBP1. No significant cross-reactivity or interference between Human RBP1 and analogues was observed.
Sequence Length	135
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES

Standard Curve (Sample)
Fig.1. Human Retinol-binding protein 1 (RBP1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RBP1 elisa kit	Description: This Human Retinol-binding protein 1 (RBP1) ELISA Kit employs a two-site sandwich ELISA to quantitate RBP1 in samples. An antibody specific for RBP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RBP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RBP1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RBP1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: RBP1 is the carrier protein involved in the transport of retinol (vitamin A alcohol) from the liver storage site to peripheral tissue. Vitamin A is a fat-soluble vitamin necessary for growth, reproduction, differentiation of epithelial tissues, and vision. The gene harbors four exons encoding 24, 59, 33, and 16 amino acid residues respectively. The second intervening sequence alone occupies 19 kb of the 21 kb of the gene. Retinol-binding protein-4 (RBP4) is the carrier protein involved in the transport of retinol from the liver storage site to peripheral tissue. On the other hand, cellular RBP (CRBP) is the intracellular carrier involved in intracellular movement of retinol.Colantuoni et al. (1985) isolated and sequenced a cDNA clone for the human CRBP gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	70778780
NCBI GeneID	537379
NCBI Accession #	NP_001020514.1
NCBI GenBank Nucleotide #	NP_001020514.1
UniProt Accession #	P02694
NCBI Official Full Name	retinol-binding protein 1
NCBI Official Synonym Full Names	retinol binding protein 1
NCBI Official Symbol	RBP1
NCBI Official Synonym Symbols	CRBP1
NCBI Protein Information	retinol-binding protein 1
UniProt Protein Name	Retinol-binding protein 1
UniProt Gene Name	**RBP1**
UniProt Synonym Gene Names	CRBP; CRBP-I
UniProt Entry Name	RET1_BOVIN

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.

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Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/retinol-binding-protein-1-rbp1/331016