

Human Retinol-Binding Protein 3 (RBP3) ELISA Kit | RBP3 elisa kit

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CATALOG #
AAA331015

REACTIVITY
Human

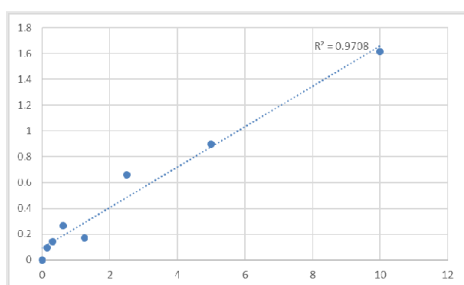
PRODUCT SYNONYMS

Retinol-Binding Protein 3 (RBP3); Human Retinol-Binding Protein 3 (RBP3) ELISA Kit; RBP3; D10S64; D10S65; D10S66; IRBP; RBPI; interphotoreceptor retinoid-binding protein; retinol-binding protein 3; interstitial; RBP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Retinol-binding protein 3 (RBP3) ELISA Kit has high sensitivity and excellent specificity for detection of Human RBP3. No significant cross-reactivity or interference between Human RBP3 and analogues was observed.
Sequence Length	1246
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 3 (RBP3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RBP3 elisa kit	Description: This Human Retinol-binding protein 3 (RBP3) ELISA Kit employs a two-site sandwich ELISA to quantitate RBP3 in samples. An antibody specific for RBP3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RBP3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RBP3 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 RBP3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Retinol-binding protein 3, interstitial (RBP3), also known as IRBP is a protein identified in most eutherians except tenrecs and armadillos. The interphotoreceptor retinol-binding protein is a large glycoprotein known to bind retinoids and found primarily in the interphotoreceptor matrix of the retina between the retinal pigment epithelium and the photoreceptor cells. It is thought to transport retinoids between the retinal pigment epithelium and the photoreceptors, a critical role in the visual process. The human IRBP gene is approximately 9.5 kbp in length and consists of four exons separated by three introns. The introns are 1.6-1.9 kbp long. The gene is transcribed by photoreceptor and retinoblastoma cells into an approximately 4.3-kilobase mRNA that is translated and processed into a glycosylated protein of 135,000 Da.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	307075
NCBI GeneID	5949
UniProt Accession #	P10745
NCBI Official Full Name	retinol-binding protein
NCBI Official Synonym Full Names	retinol binding protein 3
NCBI Official Symbol	RBP3
NCBI Official Synonym Symbols	IRBP; RBPI; RP66; D10S64; D10S65; D10S66
NCBI Protein Information	retinol-binding protein 3
UniProt Protein Name	Retinol-binding protein 3
UniProt Gene Name	RBP3
UniProt Synonym Gene Names	IRBP
UniProt Entry Name	RET3_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.