

Human Cytochrome P450 26B1 (CYP26B1) ELISA Kit | CYP26B1 elisa kit

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CATALOG #
AAA244813

REACTIVITY
Human

PRODUCT SYNONYMS

Cytochrome P450 26B1 (CYP26B1); Human Cytochrome P450 26B1 (CYP26B1) ELISA Kit; CYP26B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CYP26B1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CYP26B1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP26B1 elisa kit

Principle of the assay: CYP26B1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CYP26B1 antibody and an CYP26B1-HRP conjugate. The assay sample and buffer are incubated together with CYP26B1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CYP26B1 concentration since CYP26B1 from samples and CYP26B1-HRP conjugate compete for the anti-CYP26B1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP26B1 from the sample, fewer sites are left to bind CYP26B1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP26B1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9845285
NCBI GeneID	56603
NCBI Accession #	NP_063938.1

NCBI GenBank Nucleotide #	NM_019885.3
Molecular Weight	55,756 Da
NCBI Official Full Name	cytochrome P450 26B1 isoform 1
NCBI Official Synonym Full Names	cytochrome P450, family 26, subfamily B, polypeptide 1
NCBI Official Symbol	CYP26B1
NCBI Official Synonym Symbols	RHFCA; CYP26A2; P450RAI2; P450RAI-2
NCBI Protein Information	cytochrome P450 26B1; retinoic acid-metabolizing cytochrome; cytochrome P450 retinoic acid-inactivating 2; cytochrome P450 retinoid metabolizing protein; cytochrome P450, subfamily XXVIB, polypeptide 1
UniProt Protein Name	Cytochrome P450 26B1
UniProt Gene Name	CYP26B1
UniProt Synonym Gene Names	CYP26A2; P450RAI2; Cytochrome P450RAI-2
UniProt Entry Name	CP26B_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cytochrome-p450-26b1-cyp26b1/244813>