

Human Plexin-B3 (PLXNB3) ELISA Kit | PLXNB3 elisa kit

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CATALOG #
AAA331380

REACTIVITY
Human

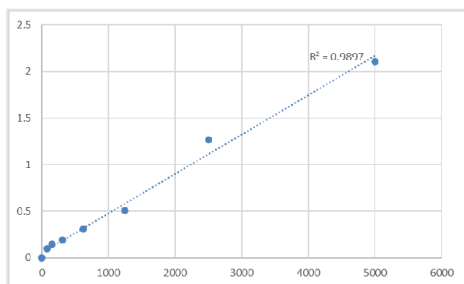
PRODUCT SYNONYMS

Plexin-B3 (PLXNB3); Human Plexin-B3 (PLXNB3) ELISA Kit; PLXNB3; FLJ76953; PLEXB3; PLEXR; PLXN6; plexin 6; PLXNB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Plexin-B3 (PLXNB3) ELISA Kit has high sensitivity and excellent specificity for detection of Human PLXNB3. No significant cross-reactivity or interference between Human PLXNB3 and analogues was observed.
Sequence Length	1909
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 Plexin-B3 (PLXNB3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PLXNB3 elisa kit	Description: This Human Plexin-B3 (PLXNB3) ELISA Kit employs a two-site sandwich ELISA to quantitate PLXNB3 in samples. An antibody specific for PLXNB3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PLXNB3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLXNB3 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 PLXNB3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Tamagnone et al. (1999) identified the cDNA sequence of a novel member of the plexin gene family, which they called plexin B3. Artigiani et al. (2004) showed that mammalian Plxnb3 is a high-affinity semaphorin-5A (SEMA5A) receptor. Plxnb3 was activated by Sema5a, and the Sema5a-Plxnb3 complex triggered intracellular signaling through Met, the receptor for hepatocyte growth factor. Tamagnone et al. (1999) found the PLXNB3 coding sequence in the genomic sequence of the ABCD1 gene on Xq28. Matsumoto et al. (2005) identified a partial deletion (exons 3 to 10) of the ABCD1 gene with fusion to the neighboring PLXNB3 gene. Sequencing showed that the breakpoints were at nucleotide +1374 in intron 2 of the ABCD1 gene and nucleotide +915 in intron 2 of the PLXNB3 gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29336063
NCBI GeneID	5365
NCBI Accession #	NP_005384.2
NCBI GenBank Nucleotide #	NP_005384.2
UniProt Accession #	Q9ULL4
NCBI Official Full Name	plexin-B3 isoform 1
NCBI Official Synonym Full Names	plexin B3
NCBI Official Symbol	PLXNB3
NCBI Official Synonym Symbols	PLEXR; PLXN6; PLEXB3
NCBI Protein Information	plexin-B3
UniProt Protein Name	Plexin-B3
UniProt Gene Name	PLXNB3
UniProt Synonym Gene Names	KIAA1206; PLXN6

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.