

Human Plexin-A2 (PLXNA2) ELISA Kit | PLXNA2 elisa kit

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CATALOG #
AAA331382

REACTIVITY
Human

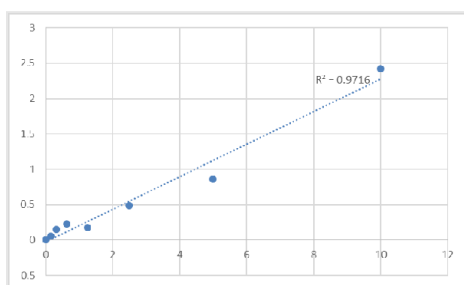
PRODUCT SYNONYMS

Plexin-A2 (PLXNA2); Human Plexin-A2 (PLXNA2) ELISA Kit; PLXNA2; RP11-328D5.3; FLJ11751; FLJ30634; KIAA0463; OCT; PLXN2; plexin 2; plexin-A2; semaphorin receptor OCT; transmembrane protein OCT; PLXNA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Plexin-A2 (PLXNA2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PLXNA2. No significant cross-reactivity or interference between Human PLXNA2 and analogues was observed.
Sequence Length	1894
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-A2 (PLXNA2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PLXNA2 elisa kit	Description: This Human Plexin-A2 (PLXNA2) ELISA Kit employs a two-site sandwich ELISA to quantitate PLXNA2 in samples. An antibody specific for PLXNA2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PLXNA2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLXNA2 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 PLXNA2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Plexin-A2 is a protein that in humans is coded by the PLXNA2 gene. This gene encodes a member of the plexin-A family of semaphorin co-receptors. Semaphorins are a large family of secreted or membrane-bound proteins that mediate repulsive effects on axon pathfinding during nervous system development. A subset of semaphorins are recognized by plexin-A/neuropilin transmembrane receptor complexes, triggering a cellular signal transduction cascade that leads to axon repulsion. This plexin-A family member is thought to transduce signals from semaphorin-3A and -3C. In some studies, the PLXNA2 gene is associated with schizophrenia and anxiety.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	113722116
NCBI GeneID	5362
NCBI Accession #	NP_079455.3
NCBI GenBank Nucleotide #	NP_079455.3
UniProt Accession #	O75051
NCBI Official Full Name	plexin-A2
NCBI Official Synonym Full Names	plexin A2
NCBI Official Symbol	PLXNA2
NCBI Official Synonym Symbols	OCT; PLXN2
NCBI Protein Information	plexin-A2
UniProt Protein Name	Plexin-A2
UniProt Gene Name	PLXNA2
UniProt Synonym Gene Names	KIAA0463; OCT; PLXN2

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://www.aaabiotech.com/human-elisa-kits/plexin-a2-plxna2/331382>