

Human Pannexin-1 (PANX1) ELISA Kit | PANX1 elisa kit

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CATALOG #
AAA331474

REACTIVITY
Human

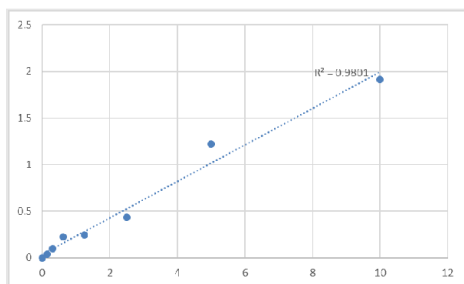
PRODUCT SYNONYMS

Pannexin-1 (PANX1); Human Pannexin-1 (PANX1) ELISA Kit; PANX1; MGC21309; MRS1; PX1; UNQ2529; innexin; PANX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Pannexin-1 (PANX1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PANX1. No significant cross-reactivity or interference between Human PANX1 and analogues was observed.
Sequence Length	426
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 Pannexin-1 (PANX1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PANX1 elisa kit	Description: This Human Pannexin-1 (PANX1) ELISA Kit employs a two-site sandwich ELISA to quantitate PANX1 in samples. An antibody specific for PANX1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PANX1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PANX1 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 PANX1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Pannexin 1 belongs to the innexin family. Innexin family members are the structural components of gap junctions. This protein and pannexin 2 are abundantly expressed in central nerve system (CNS) and are coexpressed in various neuronal populations. Studies in Xenopus oocytes suggest that this protein alone and in combination with pannexin 2 may form cell type-specific gap junctions with distinct properties. The deduced 48-kD protein contains 4 transmembrane domains and cytoplasmic N and C termini. Northern blot analysis detected Panx1 expression in rat eye, thyroid, prostate, kidney, liver, and central nervous system. In situ hybridization showed Pnx1 expression in several brain regions, including cortex, striatum, olfactory bulb, hippocampus, thalamus, and cerebellum.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	39995064
NCBI GeneID	24145
NCBI Accession #	NP_056183
NCBI GenBank Nucleotide #	NP_056183.2
UniProt Accession #	Q96RD7
NCBI Official Full Name	pannexin-1
NCBI Official Synonym Full Names	pannexin 1
NCBI Official Symbol	PANX1
NCBI Official Synonym Symbols	PX1; MRS1; UNQ2529
NCBI Protein Information	pannexin-1
UniProt Protein Name	Pannexin-1
UniProt Gene Name	PANX1
UniProt Synonym Gene Names	MRS1
UniProt Entry Name	PANX1_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.