

Human Paired Mesoderm Homeobox Protein 2 (PRRX2) ELISA Kit | PRRX2 elisa kit

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CATALOG #
AAA331295

REACTIVITY
Human

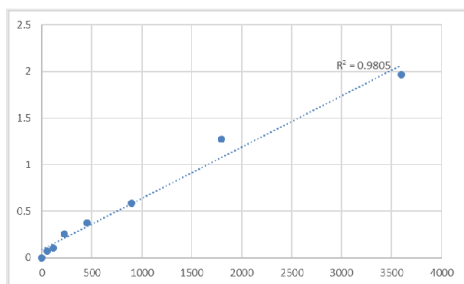
PRODUCT SYNONYMS

Paired Mesoderm Homeobox Protein 2 (PRRX2); Human Paired Mesoderm Homeobox Protein 2 (PRRX2) ELISA Kit; PRRX2; MGC19843; PMX2; PRX2; paired mesoderm homeobox protein 2; paired-like homeodomain protein PRX2; PRRX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Paired mesoderm homeobox protein 2 (PRRX2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRRX2. No significant cross-reactivity or interference between Human PRRX2 and analogues was observed.
Sequence Length	253
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 Paired mesoderm homeobox protein 2 (PRRX2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRRX2 elisa kit	Description: This Human Paired mesoderm homeobox protein 2 (PRRX2) ELISA Kit employs a two-site sandwich ELISA to quantitate PRRX2 in samples. An antibody specific for PRRX2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRRX2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRRX2 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 PRRX2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PRRX2 is a member of the paired family of homeobox proteins. Expression is localized to proliferating fetal fibroblasts and the developing dermal layer, with downregulated expression in adult skin. Increases in expression of this gene during fetal but not adult wound healing suggest a possible role in mechanisms that control mammalian dermal regeneration and prevent formation of scar response to wounding. The composite 813-nucleotide cDNA encodes a putative 164-amino acid protein with 74% overall identity to mouse Prx2, showing high conservation in the homeodomain and extreme 3-prime region. PRX2 is expressed as a single 1.3-kb transcript. PRRX2 is more strongly expressed in normal fetal than in adult skin, much more strongly expressed in both fetal and adult proliferating fibroblasts, and not expressed in keratinocytes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7706659
NCBI GeneID	51450
NCBI Accession #	NP_057391.1
NCBI GenBank Nucleotide #	NP_057391.1
UniProt Accession #	Q99811
NCBI Official Full Name	paired mesoderm homeobox protein 2
NCBI Official Synonym Full Names	paired related homeobox 2
NCBI Official Symbol	PRRX2
NCBI Official Synonym Symbols	PMX2; PRX2
NCBI Protein Information	paired mesoderm homeobox protein 2
UniProt Protein Name	Paired mesoderm homeobox protein 2
UniProt Gene Name	PRRX2
UniProt Synonym Gene Names	PMX2; PRX2; PRX-2
UniProt Entry Name	PRRX2_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.