

Human Proline-Rich Protein 4 (PRR4) ELISA Kit | PRR4 elisa kit

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CATALOG #
AAA331296

REACTIVITY
Human

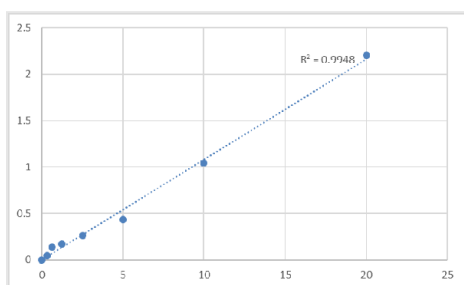
PRODUCT SYNONYMS

Proline-Rich Protein 4 (PRR4); Human Proline-Rich Protein 4 (PRR4) ELISA Kit; PRR4; DKFZp779L1763; LPRP; PROL4; lacrimal proline rich protein; nasopharyngeal carcinoma-associated proline rich 4; proline-rich polypeptide 4; PRR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Proline-rich protein 4 (PRR4) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRR4. No significant cross-reactivity or interference between Human PRR4 and analogues was observed.
Sequence Length	134
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 Proline-rich protein 4 (PRR4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRR4 elisa kit	Description: This Human Proline-rich protein 4 (PRR4) ELISA Kit employs a two-site sandwich ELISA to quantitate PRR4 in samples. An antibody specific for PRR4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRR4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRR4 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 PRR4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Proline-rich protein 4 is a protein encoded by the PRR4 gene.Lacrimal proline rich protein is a member of the proline-rich protein family which lacks a conserved repetitive domain. It may have a role in protective functions in the eye.Two alternatively spliced transcript variants that encode different proteins have been described for this gene. The deduced 134-amino acid, 13.5-kD protein shares 45.5% sequence similarity with PRH1. It contains a 16-amino acid signal sequence, 21% proline residues, and an acidic N-terminal region. Southern blot analysis showed that LPRP is a single copy gene.Abundantly expressed in lacrimal gland where it is found in the acinar cells but not in the intralobular ducts. Also found in the submandibular gland, the parotid and sublingual glands.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	154448886
NCBI GeneID	11272
NCBI Accession #	NP_009175.2
NCBI GenBank Nucleotide #	NP_009175.2
UniProt Accession #	Q16378
NCBI Official Full Name	proline-rich protein 4 isoform 2
NCBI Official Synonym Full Names	proline rich 4
NCBI Official Symbol	PRR4
NCBI Official Synonym Symbols	LPRP; PROL4
NCBI Protein Information	proline-rich protein 4
UniProt Protein Name	Proline-rich protein 4
UniProt Gene Name	PRR4
UniProt Synonym Gene Names	LPRP; PROL4
UniProt Entry Name	PROL4_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.