

Human Poliovirus Receptor-Related Protein 4 (PVRL4) ELISA Kit | PVRL4 elisa kit

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CATALOG #
AAA331217

REACTIVITY
Human

PRODUCT SYNONYMS

Poliovirus Receptor-Related Protein 4 (PVRL4); Human Poliovirus Receptor-Related Protein 4 (PVRL4) ELISA Kit; PVRL4; LNIR; PRR4; nectin-4; Ig superfamily receptor LNIR; nectin 4; PVRL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Poliovirus receptor-related protein 4 (PVRL4) ELISA Kit has high sensitivity and excellent specificity for detection of Human PVRL4. No significant cross-reactivity or interference between Human PVRL4 and analogues was observed.
Sequence Length	510
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 Poliovirus receptor-related protein 4 (PVRL4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PVRL4 elisa kit	Description: This Human Poliovirus receptor-related protein 4 (PVRL4) ELISA Kit employs a two-site sandwich ELISA to quantitate PVRL4 in samples. An antibody specific for PVRL4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PVRL4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PVRL4 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 PVRL4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Poliovirus receptor-like proteins (PVRLs), such as PVRL4, are adhesion receptors of the immunoglobulin superfamily and function in cell-cell adhesion (Reymond et al., 2001). By database analysis, Reymond et al. (2001) identified the PVRL4 gene, which encodes a 510-amino acid protein with a predicted molecular mass of 55.5 kD. It contains 1 predicted transmembrane domain, followed by a 139-residue cytoplasmic sequence. Human and murine PVRL4 share 92% amino acid identity. Northern blot analysis showed strong expression of a 3.7-kb human PVRL4 transcript in placenta and weak expression in trachea. Murine Pvr4 was expressed at embryonic days 11, 15 and 17. Immunohistochemistry revealed human PVRL4 localized to endothelial cells from vessels in placental villi.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222136611
NCBI GeneID	81607
NCBI Accession #	NP_112178.2
NCBI GenBank Nucleotide #	NP_112178.2
UniProt Accession #	Q96NY8
NCBI Official Full Name	nectin-4
NCBI Official Synonym Full Names	nectin cell adhesion molecule 4
NCBI Official Symbol	NECTIN4
NCBI Official Synonym Symbols	LNIR; PRR4; EDSS1; PVRL4; nectin-4
NCBI Protein Information	nectin-4
UniProt Protein Name	Poliovirus receptor-related protein 4
UniProt Gene Name	PVRL4
UniProt Synonym Gene Names	LNIR; PRR4
UniProt Entry Name	PVRL4_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.