

Human Poliovirus Receptor (PVR) ELISA Kit | PVR elisa kit

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CATALOG #
AAA331219

REACTIVITY
Human

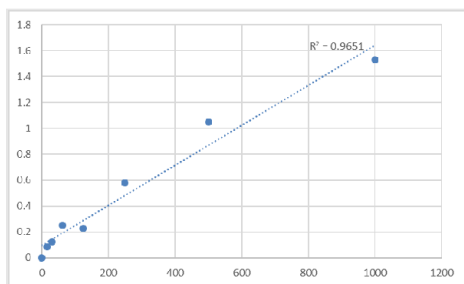
PRODUCT SYNONYMS

Poliovirus Receptor (PVR); Human Poliovirus Receptor (PVR) ELISA Kit; PVR; CD155; FLJ25946; HVED; NECL5; Necl-5; PVS; TAGE4; nectin-like 5; PVR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Poliovirus receptor (PVR) ELISA Kit has high sensitivity and excellent specificity for detection of Human PVR. No significant cross-reactivity or interference between Human PVR and analogues was observed.
Sequence Length	417
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 (PVR) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PVR elisa kit	Description: This Human Poliovirus receptor (PVR) ELISA Kit employs a two-site sandwich ELISA to quantitate PVR in samples. An antibody specific for PVR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PVR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PVR 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 PVR bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: CD155 is a Type I transmembrane glycoprotein in the immunoglobulin superfamily. Commonly known as Poliovirus Receptor (PVR) due to its involvement in the cellular poliovirus infection in primates, CD155's normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. The role of CD155 in the immune system is unclear, though it may be involved in intestinal humoral immune responses. This transfer is more important in some tumor cells expressing a lot of PVR, and may trigger fratricide NK cell activation, providing tumors with a mechanism of immunoevasion. Plays a role in mediating tumor cell invasion and migration. Serves as a receptor for poliovirus attachment to target cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	609878250
NCBI GeneID	5817
NCBI Accession #	NP_006496.4
NCBI GenBank Nucleotide #	NP_006496.4
UniProt Accession #	P15151
NCBI Official Full Name	poliovirus receptor isoform alpha
NCBI Official Synonym Full Names	PVR cell adhesion molecule
NCBI Official Symbol	PVR
NCBI Official Synonym Symbols	PVS; HVED; CD155; NECL5; TAGE4; Necl-5
NCBI Protein Information	poliovirus receptor
UniProt Protein Name	Poliovirus receptor
UniProt Gene Name	PVR
UniProt Synonym Gene Names	PVS; NECL-5
UniProt Entry Name	PVR_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.