

Human CD155/PVR ELISA Kit | CD155/PVR elisa kit

Human CD155/PVR PicoKine ELISA Kit

CATALOG #
AAA125190

REACTIVITY
Human

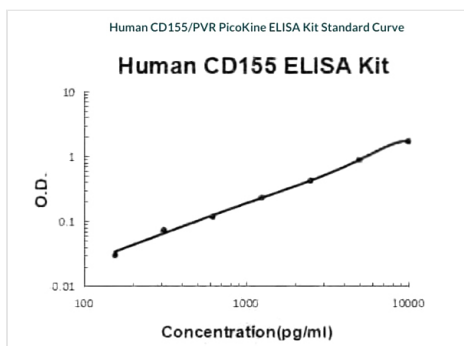
PRODUCT SYNONYMS

CD155/PVR; Human CD155/PVR PicoKine ELISA Kit; Human CD155/PVR; Poliovirus receptor; Nectin-like protein 5; NECL-5; CD155; PVR; PVS; CD155/PVR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human PVR
Sequence Length	417
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<50 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD155/PVR elisa kit	Background: CD155 (cluster of differentiation 155) also known as the poliovirus receptor is a protein that in humans is encoded by the PVR gene. It is mapped to 19q13.31. The protein encoded by this gene is a transmembrane glycoprotein belonging to the immunoglobulin superfamily. The external domain mediates cell attachment to the extracellular matrix molecule vitronectin, while its intracellular domain interacts with the dynein light chain Tctex-1/DYNLT1. The gene is specific to the primate lineage, and serves as a cellular receptor for poliovirus in the first step of poliovirus replication. Multiple transcript variants encoding different isoforms have been found for this gene Principle of the Assay: The Picokine™ Human PVR Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human PVR with a 96-well strip plate that is pre-coated with antibody specific for PVR. The detection antibody is a biotinylated antibody specific for PVR. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human PVR with immunogen: Expression system for standard: NS0; Immunogen sequence: W21-N343. The kit is analytically validated with ready-to-use reagents. To measure Human PVR, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human PVR in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human PVR in the sample.
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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.