

ARG82512 Human CD155 / Poliovirus Receptor ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82512-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82512-002	Standard	2 X 10 ng/vial	4°C
ARG82512-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82512-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82512-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82512-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82512-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82512-008	25X Wash buffer	20 ml	4°C
ARG82512-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82512-010	STOP solution	10 ml (Ready to use)	4°C
ARG82512-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82512 Human CD155 / Poliovirus Receptor ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD155 / Poliovirus Receptor in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CD155 / Poliovirus Receptor
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.8%

Inter-Assay CV: 6.3%

Alternate Names

NECL5; CD antigen CD155; Nectin-like protein 5; PVS; Necl-5; HVED; Poliovirus receptor; TAGE4; NECL-5; CD155

Application Instructions

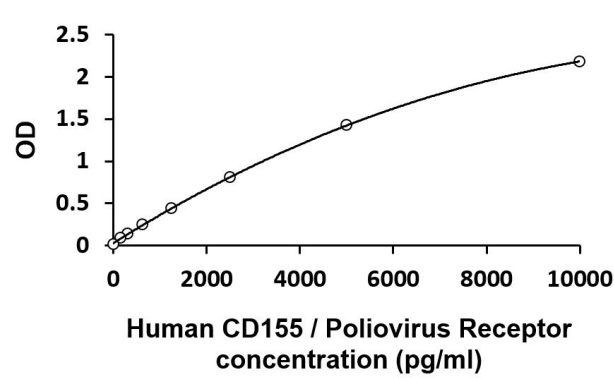
Assay Time ~ 5 hours

Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PVR
Gene Full Name	poliovirus receptor
Background	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. [provided by RefSeq, Oct 2008]
Function	Mediates NK cell adhesion and triggers NK cell effector functions. Binds two different NK cell receptors: CD96 and CD226. These interactions accumulates at the cell-cell contact site, leading to the formation of a mature immunological synapse between NK cell and target cell. This may trigger adhesion and secretion of lytic granules and IFN-gamma and activate cytotoxicity of activated NK cells. May also promote NK cell-target cell modular exchange, and PVR transfer to the NK cell. 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. May play a role in axonal transport of poliovirus, by targeting virion-PVR-containing endocytic vesicles to the microtubular network through interaction with DYNLT1. This interaction would drive the virus-containing vesicle to the axonal retrograde transport. [UniProt]
Highlight	Related products: CD155 antibodies ; CD155 ELISA Kits ; CD155 Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-glycosylated. N-glycan at Asn-120: Hex5HexNAc4. Phosphorylated by Src kinases on tyrosine residues in the ITIM motif upon ligation. Interaction with TIGIT is required for Phosphorylation. [UniProt]
Cellular Localization	Isoform Alpha: Cell membrane; Single-pass type I membrane protein. Isoform Delta: Cell membrane; Single-pass type I membrane protein. Isoform Beta: Secreted. Isoform Gamma: Secreted. [UniProt]



ARG82512 Human CD155 / Poliovirus Receptor ELISA Kit standard curve image

ARG82512 Human CD155 / Poliovirus Receptor ELISA Kit results of a typical standard run with optical density reading at 450 nm.