

CD155 Rabbit pAb

Catalog # AP98717

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P15151
Other Accession	P15151
Reactivity	Mouse
Predicted	Rat, Human, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45303
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CD155
Epitope Specificity	85-180/392
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the nectin family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
SUBUNIT	Can form trans-heterodimers with PVRL3/nectin-3. The extracellular domain interacts with VTN, CD226 and CD96. The cytoplasmic domain interacts with DYNLT1. Interacts with HHV-5 UL141. Interacts with poliovirus capsid composed of VP1, VP2 and VP3, mainly through VP3. Binds with high affinity to TIGIT.
Post-translational modifications	N-glycosylated. N-glycan at Asn-120: Hex5HexNAc4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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].

Additional Information

Gene ID	5817
Other Names	CD155; HVED; NECL5; Necl-5; PVS; TAGE4; 3830421F03Rik; D7Ertd458e; Taa1; mE4; PVR_HUMAN; PVR; Nectin-like protein 5 (NECL-5); PVR cell adhesion molecule; poliovirus receptor; nectin-like 5
	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

**Dilution
Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PVR
Synonyms	PVS
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.
Cellular Location	[Isoform Alpha]: Cell membrane; Single-pass type I membrane protein [Isoform Beta]: Secreted.

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