

Mouse anti-Human CD155/PVR Monoclonal Antibody | anti-PVR antibody

Anti-CD155/PVR Antibody (FITC), Mouse Monoclonal

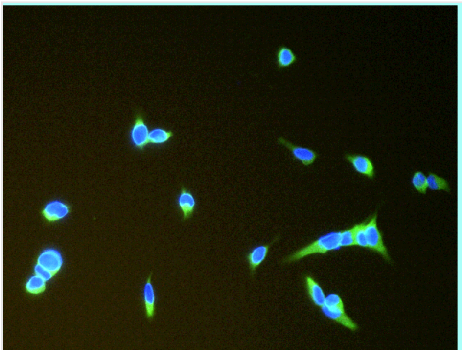
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254466	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

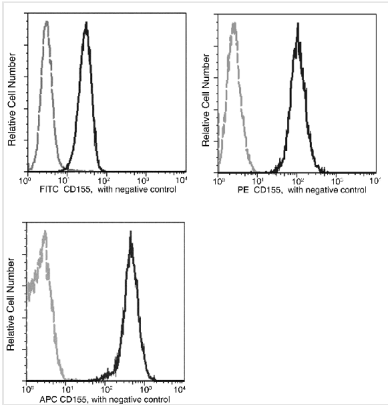
CD155/PVR; Monoclonal Antibody; Anti-CD155/PVR Antibody (FITC); Mouse Monoclonal; CD155/PVR Antibody (FITC); Mouse MAb; poliovirus receptor; Anti-CD155 Antibody; Anti-HVED Antibody; Anti-Necl-5 Antibody; Anti-NECL5 Antibody; Anti-PVS Antibody; Anti-TAGE4 Antibody; anti-PVR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	9B8G1H5
Specificity	Human CD155/PVR
Purity/Purification	Protein A
Form/Format	Liquid; Aqueous solution containing 0.5% BSA and 0.09% sodium azide
Concentration	10ul/Test, 0.1mg/ml (varies by lot)
Applicable Applications for anti-PVR antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human CD155 protein
Conjugation	FITC
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD155/PVR (rh CD155/PVR) and conjugated with FITC under optimum conditions, the unreacted FITC was removed.
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.



IF (Immunofluorescence)
Immunofluorescence staining of Human CD155 in A549 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Mouse anti-Human CD155 monoclonal antibody (FITC-conjugated, 10 ug/ml) at 4 degree C overnight, and counterstained with DAPI (blue). Positive staining was localized to plasma membrane.



Application Data
Profile of CD155 reactivity on HeLa cells analyzed by flow cytometry.

ADDITIONAL INFORMATION

Related Product Information for anti-PVR antibody	CD155, commonly known as PVR (poliovirus receptor) and Necl-5 (nectin-like molecule-5), is a type I transmembrane single-span glycoprotein, and belongs to the nectins and nectin-like (Necl) subfamily. CD155 was originally identified based on its ability to mediate the cell attachment and entry of poliovirus (PV), an etiologic agent of the central nervous system disease poliomyelitis. The normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. CD155 may assist in an efficient humoral immune response generated within the intestinal immune system. It has been demonstrated that CD155 can be recognized and bond by DNAM-1 and CD96 which promote the adhesion, migration and NK-cell killing, and thus efficiently prime cell-mediated tumor-specific immunity.
Product Categories/Family for anti-PVR antibody	Cancer Drug Targets
References	Freistadt MS, et al. (2000) Hematopoietic cells from CD155-transgenic mice express CD155 and support poliovirus replication ex vivo. Microb Pathog. 29(4): 203-12.Sato T, et al. (2004) Involvement of heterophilic trans-interaction of Necl-5/Tage4/PVR/CD155 with nectin-3 in formation of nectin-and cadherin-based adherens junctions. Genes Cells. 9(9): 791-9.Kakunaga S, et al. (2004) Enhancement of serum-and platelet-derived growth factor-induced cell proliferation by Necl-5/Tage4/poliovirus receptor/CD155 through the Ras-Raf-MEK-ERK signaling. J Biol Chem. 279(35): 36419-25.Sato T, et al. (2005) Common signaling pathway is used by the trans-interaction of Necl-5/Tage4/PVR/CD155 and nectin, and of nectin and nectin during the formation of cell-cell adhesion. Cancer Sci. 96(9): 578-89.Minami Y, et al. (2007) Involvement of up-regulated Necl-5/Tage4/PVR/CD155 in the loss of contact inhibition in transformed NIH3T3 cells. Biochem Biophys Res Commun. 352(4): 856-60.

NCBI AND UNIPROT INFORMATION

NCBI GI #	609878250
NCBI GeneID	5817
NCBI Accession #	NP_006496.4
NCBI GenBank Nucleotide #	NM_006505.4
UniProt Accession #	P15151; P15152; Q15267; Q15268; Q96BJ1; B4DTS9
Molecular Weight	45,303 Da
NCBI Official Full Name	poliovirus receptor isoform alpha
NCBI Official Synonym Full Names	poliovirus receptor
NCBI Official Symbol	PVR
NCBI Official Synonym Symbols	PVS; HVED; CD155; NECL5; TAGE4; Necl-5

NCBI Protein Information	poliovirus receptor; nectin-like protein 5
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd155-pvr-antibody-clone-9b8g1h5-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/254466>