

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

Recombinant Anti-CD155/PVR Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257120	Rabbit	Mouse	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD155/PVR; Monoclonal Antibody; Recombinant Anti-CD155/PVR Antibody; Rabbit Monoclonal; CD155/PVR Antibody; Rabbit MAb; poliovirus receptor; Anti-3830421F03Rik Antibody; Anti-CD155 Antibody; Anti-D7Ert458e Antibody; Anti-HVED Antibody; Anti-mE4 Antibody; Anti-necl-5 Antibody; Anti-PVS Antibody; Anti-Taa1 Antibody; Anti-Tage4 Antibody; anti-PVR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	305
Specificity	Mouse CD155/PVR
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PVR antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse CD155/PVR protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse CD155/PVR (rM CD155/PVR).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Mouse PVR(CD155) expression on BABL/c splenocytes. Cells were stained with purified anti-Mouse PVR(CD155), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IF (Immunofluorescence)

Immunofluorescence staining of Mouse PVR(m CD155) in raw264.7 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Rabbit anti-Mouse PVR (m CD155) monoclonal antibody (1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated (left panel, captured by laser confocal scanning microscope; right panel, captured by fluorescence microscope) Goat Anti-rabbit IgG secondary antibody, counterstained with DAPI (blue). Positive staining was localized to plasma membrane.

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 #	28076965
NCBI GeneID	52118
NCBI Accession #	NP_081790.1
NCBI GenBank Nucleotide #	NM_027514.2
UniProt Accession #	Q8K094
Molecular Weight	44,668 Da
NCBI Official Full Name	poliovirus receptor
UniProt Protein Name	Poliovirus receptor
UniProt Gene Name	Pvr
UniProt Synonym Gene Names	D7Ert458e
UniProt Entry Name	Q8K094_MOUSE

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-305-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/257120>