

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

CD155/PVR (Extracellular region) Antibody

CATALOG # AAA71588	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunocytochemistry, Immunoprecipitation, ELISA, Western Blot
------------------------------	----------------------	----------------------------	--

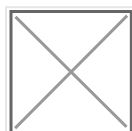
PRODUCT SYNONYMS

CD155/PVR; Monoclonal Antibody; CD155/PVR (Extracellular region) Antibody; CD155; anti-CD155/PVR antibody

PRODUCT SPECIFICATIONS

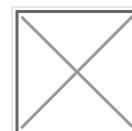
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M048
Specificity	Clone M048 mouse monoclonal antibody detects a 75kDa* protein on SDS-PAGE "Native" or denatured immunoblots of human A549, NCI-H466, NCI-H1299, MDA-MB-231 and A431 carcinomas. The antibody detects CD155 in the membranes and cytoplasm in NCI-H446 cells after immunocytochemical labeling. The antibody works for western blot, immunoprecipitation, immunocytochemistry, and ELISA capture.
Purity/Purification	Protein G chromatography
Form/Format	Mouse monoclonal antibody purified with protein G chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-CD155/PVR antibody	ICC (Immunocytochemistry), IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Clone (M048) was generated from a recombinant protein that included the extracellular region of human CD155 protein.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of CD155 in aldehyde fixed and NP-40 permeabilized human NCI-H446 small cell lung carcinoma cells. The cells were labeled with mouse monoclonal anti-CD155 (CM0481). The antibody was detected using goat anti-mouse DyLight 594.



WB (Western Blot)

Western blot of human A549 lung carcinoma (lane 1), NCI-H446 small cell lung carcinoma (lane 2), NCI-H1299 lung carcinoma (lane 3), MDA-MB-231 breast carcinoma (lane 4), and A431 epidermoid carcinoma (lane 5). The blot was probed with mouse monoclonal anti-CD155 (CM0481) at 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-CD155/PVR antibody	CD155/Poliovirus receptor (PVR)/nectin-like 5 (Necl-5) is a transmembrane glycoprotein with extracellular immunoglobulin like domains, and an intracellular immunoreceptor tyrosine-based inhibitor motif (ITIM). CD155 was originally described as a mediator of poliovirus attachment to cells, but has also been implicated in adherens junction formation. CD155 binds nectin-3, and interacts with integrin alphavbeta3 and PDGFR to regulate integrin clustering and focal contact formation at the leading edge of migrating cells. CD155 is also a ligand for immunoreceptors that regulate tumor surveillance. CD155 binds DNAX-associated molecule 1 (DNAX-1), an activating receptor on natural killer cells and cytotoxic T-cells. Alternatively, CD155 may bind TIGIT immunoreceptor inducing an immunosuppressive and non-cytotoxic profile. In cancers, CD155 expression has been associated with unfavorable prognosis in colon cancer, breast cancer, lung adenocarcinoma, pancreatic cancer, melanoma, and glioblastoma. Cancer therapies have targeted CD155 interactions with TIGIT, and have used CD155 as a point of entry for recombinant oncolytic polioviruses.
References	Gao, J. (2017) Cancer Sci. 108(10):1934. Molfetta, R. (2020) Int J Mol Sci. 21(3):922.

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.