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PRODUCT DATASHEET

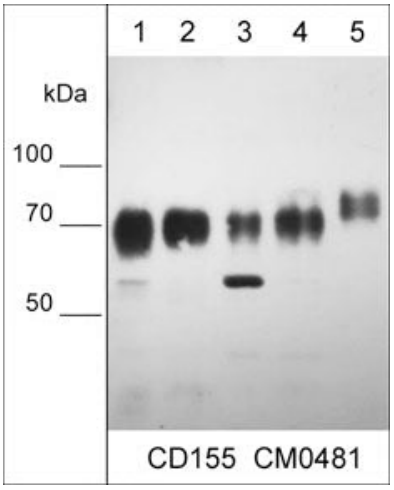
Anti-CD155/PVR (Extracellular region) Antibody

Product Details

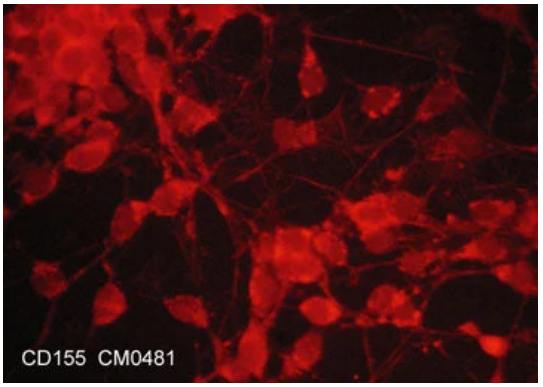
Available Variants	100 µL (SKU:CM0481)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M048
Gene Name	CD155
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100 IP: 1:100
Species Reactivity	Human
Immunogen	Clone (M048) was generated from a recombinant protein that included the extracellular region of human CD155 protein.
Specificity	Clone M048 mouse monoclonal antibody detects a 75 kDa* 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.
Molecular Weight	75
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P15151 UniProt Summary: 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.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	5817

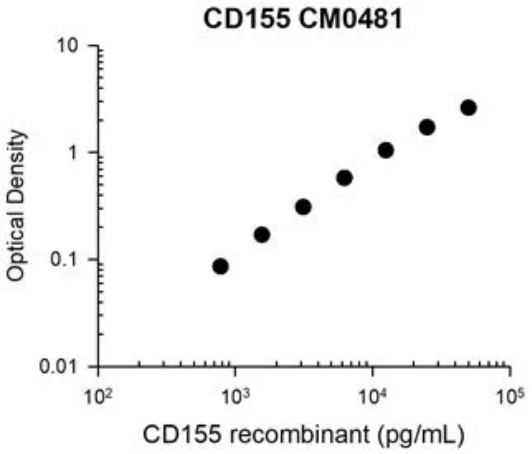
Product Images



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.



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.



Representative Standard Curve using mouse monoclonal anti-CD155 (CM0481) for ELISA capture of human recombinant CD155 extracellular region with a His-tag. Captured protein was detected by suitable anti-His-tag antibody followed by appropriate secondary antibody HRP conjugate.