

Purified anti-human CD155 (PVR) Antibody

Catalog# / Size	337602 / 100 µg
Clone	SKII.4
Regulatory Status	RUO
Other Names	Poliovirus receptor (PVR), nectin-like 5
Isotype	Mouse IgG1, κ
Description	CD155, known as poliovirus receptor (PVR) or nectin-like 5, is a 70 kD type I transmembrane glycoprotein. It is a nectin-like molecule belonging to Ig superfamily. CD155 is primarily found on endothelial cells, monocytes, epithelia and central nervous system. CD155 is an adhesion molecule involved in cell-cell and cell-matrix adhesion through interaction with CD226, CD96 (Tactile), nectin-1, -2, and -3 (CD111, CD112, CD113), and vitronectin. It also serves as a receptor for poliovirus and cytomegalovirus.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	SK-N-S1 human neuroblastoma cells.
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	FC - Quality tested IP, WB - Reported in the literature, not verified in house
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes	Additional reported applications include: block binding of PVR ligands CD226 and CD96 to PVR, immunoprecipitation, and western blot.
Application References	1. Fuchs A, <i>et al.</i> 2004. <i>J. Immunol.</i> 172:3994
Product Citations	1. Weulersse M, <i>et al.</i> 2020. <i>Immunity.</i> 53(4):824-839.e10. PubMed 2. Gulbranson DR <i>et al.</i> 2019. <i>Dev Cell.</i> 50(4):436-446 . PubMed 3. Chandramohan V, <i>et al.</i> 2017. <i>Arch Pathol Lab Med.</i> 10.5858/arpa.2016-0580-OA. PubMed
RRID	AB_2300508 (BioLegend Cat. No. 337602)

Antigen Details

Structure	Type I glycoprotein, Ig superfamily
Distribution	Monocytes, endothelial cells, epithelia, central nervous system

Function	Cell-cell and cell-matrix adhesion
Ligand/Receptor	CD226, CD96, nectin-1, -2, and -3, vitronectin, CD155, poliovirus
Cell Type	Endothelial cells, Epithelial cells, Monocytes, Tregs
Biology Area	Immunology, Innate Immunity
Molecular Family	Adhesion Molecules, CD Molecules, Immune Checkpoint Receptors
Antigen References	<ol style="list-style-type: none"> 1. Zola H, <i>et al.</i> eds. 2007. <i>Leukocyte and Stromal Cell Molecules: The CD Markers</i>. Wiley-Liss A John Wiley & Sons Inc, Publication 2. Bottino PD, <i>et al.</i> 2005. <i>Mol. Immunol.</i> 42:463 3. Tahara-Hanaoka S, <i>et al.</i> 2004. <i>Intl. Immunol.</i> 16:533
Gene ID	5817

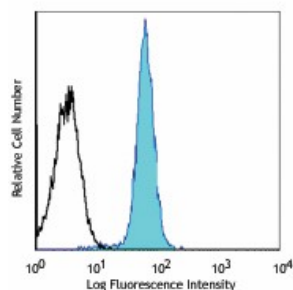
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

PE anti-human CD155 (PVR), Purified anti-human CD155 (PVR), PerCP/Cyanine5.5 anti-human CD155 (PVR), PE/Cyanine7 anti-human CD155 (PVR), PE/Dazzle™ 594 anti-human CD155 (PVR), APC anti-human CD155 (PVR), Alexa Fluor® 647 anti-human CD155 (PVR), Biotin anti-human CD155 (PVR), TotalSeq™-A0023 anti-human CD155 (PVR), APC/Fire™ 750 anti-human CD155 (PVR), Brilliant Violet 510™ anti-human CD155 (PVR), Brilliant Violet 421™ anti-human CD155 (PVR), FITC anti-human CD155 (PVR), Alexa Fluor® 700 anti-human CD155 (PVR), TotalSeq™-B0023 anti-human CD155 (PVR), TotalSeq™-C0023 anti-human CD155 (PVR), TotalSeq™-D0023 anti-human CD155 (PVR)

Product Data



Human histiocytic lymphoma cells U-937 stained with purified SKII.4, followed by anti-mouse IgG FITC

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