

PE/Cyanine7 anti-human CD155 (PVR) Antibody

Catalog# / Size	337613 / 25 tests 337614 / 100 tests
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 and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
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 5 μ l per million cells in 100 μ l staining volume or 5 μ l per 100 μ l of whole blood.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	Additional reported applications include: block binding of PVR ligands CD226 and CD96 to PVR, immunoprecipitation, and western blot.
Additional Product Notes	BioLegend is in the process of converting the name PE/Cy7 to PE/Cyanine7. The dye molecule remains the same, so you should expect the same quality and performance from our PE/Cyanine7 products. Please contact Technical Service if you have any questions.
Application References	1. Fuchs A, <i>et al.</i> 2004. <i>J. Immunol.</i> 172:3994
Product Citations	1. Rahim MMA, <i>et al.</i> 2020. <i>J Virol.</i> 94:00:00. PubMed 2. Lawrence M, <i>et al.</i> 2022. <i>Sci Adv.</i> 8:eabj8618. PubMed
RRID	AB_2565746 (BioLegend Cat. No. 337613) AB_2565747 (BioLegend Cat. No. 337614)

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	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

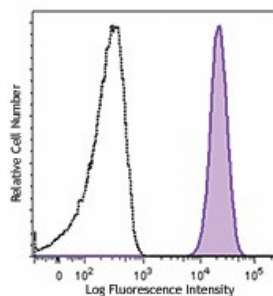
Related Protocols

[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



U937 cells were stained with CD155 (clone SK11.4) PE/Cyanine7 (filled histogram) or mouse IgG1, κ PE/Cyanine7 isotype control (open histogram).

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