

Brilliant Violet 510™ anti-human CD155 (PVR) Antibody

Catalog# / Size	337633 / 25 tests 337634 / 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 Brilliant Violet 510™ 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	<p>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 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.</p> <p>Brilliant Violet 510™ excites at 405 nm and emits at 510 nm. The bandpass filter 510/50 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 510™ is a trademark of Sirigen Group Ltd.</p> <p>Learn more about Brilliant Violet™.</p> <p>This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.</p>
Excitation Laser	Violet Laser (405 nm)
Application Notes	Additional reported applications include: block binding of PVR ligands CD226 and CD96 to PVR, immunoprecipitation, and western blot.
Application References	

(PubMed link indicates BioLegend citation)

1. Fuchs A, *et al.* 2004. *J. Immunol.* 172:3994

Product Citations

1. Braun DA, *et al.* 2021. *Cancer Cell.* 39:632. [PubMed](#)

RRID

AB_2810527 (BioLegend Cat. No. 337633)
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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

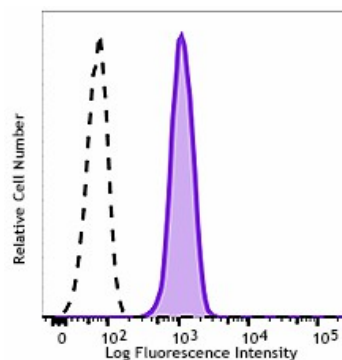
Related Protocols

[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



Human histiocytic lymphoma cells (U937 cells) were stained with anti-human CD155 (clone SKII.4) Brilliant Violet 510™ (filled histogram) or mouse IgG1, κ Brilliant Violet 510™ isotype control (open histogram).

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