

## APC anti-human CD155 (PVR) Antibody

<b>Catalog# / Size</b>	337617 / 25 tests 337618 / 100 tests
<b>Clone</b>	SKII.4
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Poliovirus receptor (PVR), nectin-like 5
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Description</b>	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

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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	SK-N-S1 human neuroblastoma cells.
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our <a href="#">Concentration and Expiration Lookup</a> or <a href="#">Certificate of Analysis</a> online tools.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is 5 $\mu$ l per million cells in 100 $\mu$ l staining volume or 5 $\mu$ l per 100 $\mu$ l of whole blood.
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>Application Notes</b>	Additional reported applications include: block binding of PVR ligands CD226 and CD96 to PVR, immunoprecipitation, and western blot.
<b>Application References</b>	1. Fuchs A, <i>et al.</i> 2004. <i>J. Immunol.</i> 172:3994
<b>Product Citations</b>	1. Gabaev I, <i>et al.</i> 2020. <i>Cell Rep.</i> 33:108249. <a href="#">PubMed</a> 2. Beatson RE, <i>et al.</i> 2021. <i>Cell Rep Med.</i> 2:100473. <a href="#">PubMed</a> 3. Suzuki D, <i>et al.</i> 2020. <i>Stem Cell Reports.</i> 14:49. <a href="#">PubMed</a>
<b>RRID</b>	AB_2565814 (BioLegend Cat. No. 337617) AB_2565815 (BioLegend Cat. No. 337618)

### Antigen Details

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

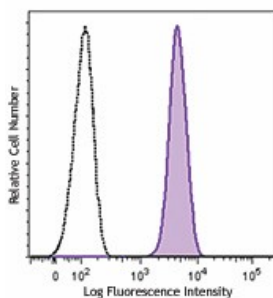
## Related Protocols

[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) APC (filled histogram) or mouse IgG1, κ APC isotype control (open histogram).

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