

TotalSeq™-A0023 anti-human CD155 (PVR) Antibody

Catalog# / Size	337623 / 10 µg
Clone	SKII.4
Regulatory Status	RUO
Other Names	Poliovirus receptor (PVR), nectin-like 5
Isotype	Mouse IgG1, κ
Barcode Sequence	ATCACATCGTTGCCA
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 1 mM EDTA.
Preparation	The antibody was purified by chromatography and conjugated with TotalSeq™-A oligomer under optimal conditions.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C. Do not freeze.
Application	PG - Quality tested
Recommended Usage	<p>Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis and the oligomer sequence is confirmed by sequencing. TotalSeq™-A antibodies are compatible with 10x Genomics Single Cell Gene Expression Solutions.</p> <p>To maximize performance, it is strongly recommended that the reagent be titrated for each application, and that you centrifuge the antibody dilution before adding to the cells at 14,000xg at 2 - 8°C for 10 minutes. Carefully pipette out the liquid avoiding the bottom of the tube and add to the cell suspension. For Proteogenomics analysis, the suggested starting amount of this reagent for titration is ≤ 1.0 µg per million cells in 100 µL volume. Refer to the corresponding TotalSeq™ protocol for specific staining instructions.</p> <p>Buyer is solely responsible for determining whether Buyer has all intellectual property rights that are necessary for Buyer's intended uses of the BioLegend TotalSeq™ products. For example, for any technology platform Buyer uses with TotalSeq™, it is Buyer's sole responsibility to determine whether it has all necessary third party intellectual property rights to use that platform and TotalSeq™ with that platform.</p>
Application Notes	Additional reported applications include: block binding of PVR ligands CD226 and CD96 to PVR, immunoprecipitation, and western blot.
Additional Product Notes	<p>TotalSeq™ reagents are designed to profile protein levels at a single cell level following an optimized protocol similar to the CITE-seq workflow. A compatible single cell device (e.g. 10x Genomics Chromium System and Reagents) and sequencer (e.g. Illumina analyzers) are required. Please contact technical support for more information, or visit biolegend.com/totalseq.</p> <p>The barcode flanking sequences are CCTTGGCACCCGAGAATTCCA (PCR handle), and</p>

BAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA*A*A (capture sequence). B represents either C, G, or T, and * indicates a phosphorothioated bond, to prevent nuclease degradation.

View more applications data for this product in our [Scientific Poster Library](#).

Application References

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

(PubMed link indicates BioLegend citation)

Product Citations

1. Guilliams M, *et al.* 2022. *Cell.* 185:379. [PubMed](#)
2. Hao Y, *et al.* 2021. *Cell.* 184:3573. [PubMed](#)

RRID

AB_2749963 (BioLegend Cat. No. 337623)

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, *et al.* eds. 2007. *Leukocyte and Stromal Cell Molecules: The CD Markers*. Wiley-Liss A John Wiley & Sons Inc, Publication
2. Bottino PD, *et al.* 2005. *Mol. Immunol.* 42:463
3. Tahara-Hanaoka S, *et al.* 2004. *Intl. Immunol.* 16:533

Gene ID

[5817](#)

Related Protocols

[TotalSeq™-A Antibodies and Cell Hashing with 10x Single Cell 3' Reagent Kit v3 3.1 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)

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