

PE/Cyanine7 anti-human CD159c (NKG2C) Antibody

Catalog# / Size	375025 / 25 tests 375026 / 100 tests
Clone	S19005E
Regulatory Status	RUO
Other Names	Killer Cell Lectin Like Receptor C2, KLRC2, NK Cell Receptor C
Isotype	Mouse IgG1, κ
Description	CD159c, also known as NKG2C or KLRC2, is a type II transmembrane protein. It belongs to the killer cell lectin-like receptor family also known as the NKG2 family. It is expressed on NK and NKT cells and T cell subsets. NKG2C is an activating NK cell receptor and it is expressed as a heterodimer with CD94. In humans, the NKG2C/CD94 complex interacts with HLA-E on target cells and delivers activating signals through immunoreceptor tyrosine-based activation motifs.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Human NKG2C/CD94-transfectants
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 and expiration, please enter the lot number in our Certificate of Analysis online tool).
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. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	S19005E does not crossreact with mouse CD159c.
RRID	AB_3720520 (BioLegend Cat. No. 375025) AB_3720520 (BioLegend Cat. No. 375026)

Antigen Details

Structure	Type II transmembrane proteins of the C-type lectin superfamily
Distribution	NK cells, NKT cells, T cell subsets

Function	Activating NK cell receptor
Ligand/Receptor	HLA-E
Cell Type	Lymphocytes, NK cells, NKT cells, T cells
Biology Area	Immuno-Oncology, Immunology
Molecular Family	Immune Checkpoint Receptors
Antigen References	1. Malisheni M, et al. 2017. Front Immunol. 8:863. 2. Sáez-Borderías A, et al. 2009. J Immunol, 182:829. 3. Kamiya T, et al. 2019. J. Clin. Invest. 129:2094.
Gene ID	3822

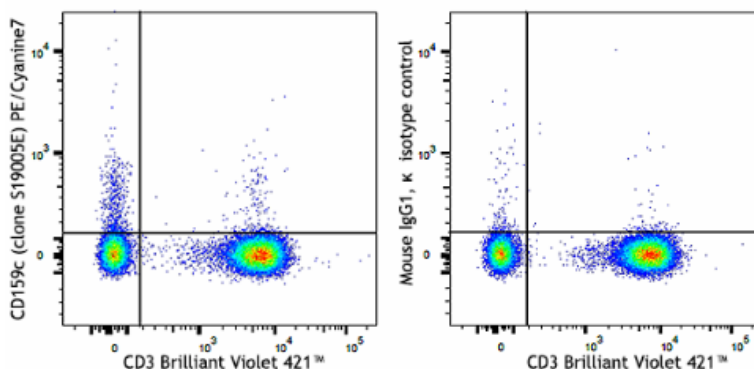
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

TotalSeq™-D1375 anti-human CD159c (NKG2C), TotalSeq™-A1375 anti-human CD159c (NKG2C), TotalSeq™-C1375 anti-human CD159c (NKG2C), Purified anti-human CD159c (NKG2C), Brilliant Violet 421™ anti-human CD159c (NKG2C), Brilliant Violet 785™ anti-human CD159c (NKG2C), APC/Cyanine7 anti-human CD159c (NKG2C), FITC anti-human CD159c (NKG2C), Spark NIR™ 685 anti-human CD159c (NKG2C) (Flexi-Fluor™), StarBright UltraViolet 605 anti-human CD159c (NKG2C), Spark YG™ 581 anti-human CD159c (NKG2C) (Flexi-Fluor™), PE anti-human CD159c, APC anti-human CD159c (NKG2C), PE/Cyanine7 anti-human CD159c (NKG2C) Antibody, PerCP/Cyanine5.5 anti-human CD159c (NKG2C) Antibody, TotalSeq™-B1375 anti-human CD159c (NKG2C), PE anti-human CD159c (NKG2C), Brilliant Violet 605™ anti-human CD159c (NKG2C), Spark YG™ 593 anti-human CD159c (NKG2C) (Flexi-Fluor™)

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD3 (Clone UCHT1) Brilliant Violet 421™ and anti-human CD159c (NKG2C) (clone S19005E) PE/Cyanine7 (left) or mouse IgG1, κ PE/Cyanine7 isotype control (right).

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