PerCP/Fire™ 780 anti-mouse NK-1.1 Antibody

Catalog# / Size	156549 / 25 µg 156550 / 100 µg
Clone	S17016D
Regulatory Status	RUO
Other Names	NKR-P1C, NKR-P1B, Ly-55, CD161b, CD161c
Isotype	Mouse IgG2a, κ
Description	NK-1.1 surface antigen, also known as CD161b/CD161c and Ly-55, is encoded by the NKR-P1B/NKR-P1C gene. It is expressed on NK cells and NK-T cells in some mouse strains, including C57BL/6, FVB/N, and NZB, but not AKR, BALB/c, CBA/J, C3H, DBA/1, DBA/2, NOD, SJL, and 129. Expression of NKR-P1C antigen has been correlated with lysis of tumor cells *in vitro* and rejection of bone marrow allografts *in vivo*. NK-1.1 has also been shown to play a role in NK cell activation, IFN-γ production, and cytotoxic granule release. NK-1.1 and DX5 are commonly used as mouse NK cell markers.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Mouse NK1.1-transfectants
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with PerCP/Fire™ 780 under optimal conditions.
Concentration	0.2 mg/mL
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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Fire 780 has a maximum excitation of 478 nm and a maximum emission of 780 nm.
Excitation Laser	Blue Laser (488 nm)
Application Notes	Clone S17016D cross-blocks anti-mouse NK1.1 clone PK136, and can stain for NK1.1 post-formaldehyde and methanol-based fixation based on in-house testing.
RRID	AB_3662196 (BioLegend Cat. No. 156549) AB_3662196 (BioLegend Cat. No. 156550)

Antigen Details

Structure	NKR-P1 gene family
Distribution	NK and NK-T cells in the NK1.1 mouse strains (C57BL, FVB/N, NZB)

Function	NK cell activation, IFN-γ production, cytotoxic granule release
Cell Type	NK cells, NKT cells
Biology Area	Immunology, Innate Immunity
Antigen References	1. Lanier LL. 1997. *Immunity* 6:371. 2. Yokoyama WM, Seaman WE. 1993. *Annu. Rev. Immunol.* 11:613. 3. Koo GC, *et al.* 1986. *J. Immunol.* 137:3742. 4. Giorda R, Trucco M. 1991. *J. Immunol.* 147:1701.
Gene ID	17059

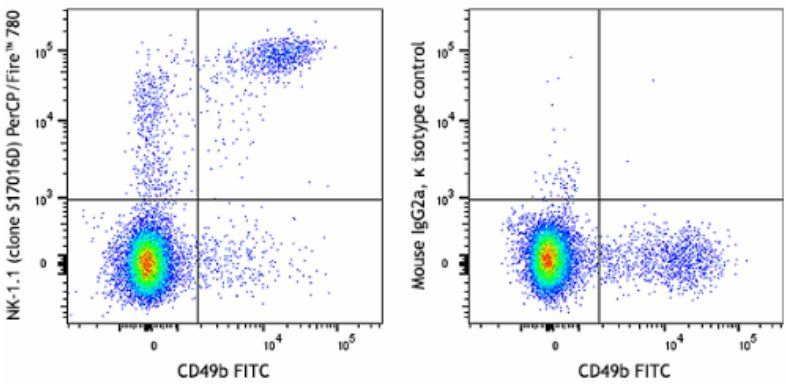
Related Protocols

- Cell Surface Flow Cytometry Staining Protocol

Other Formats

PE anti-mouse NK-1.1, Purified anti-mouse NK-1.1, APC anti-mouse NK-1.1, FITC anti-mouse NK-1.1, APC/Cyanine7 anti-mouse NK-1.1 Antibody, PE/Cyanine7 anti-mouse NK-1.1 Antibody, APC/Fire™ 750 anti-mouse NK-1.1, Alexa Fluor® 700 anti-mouse NK-1.1 Antibody, PE/Dazzle™ 594 anti-mouse NK-1.1, APC/Fire™ 810 anti-mouse NK-1.1, PerCP/Cyanine5.5 anti-mouse NK-1.1, PE/Cyanine5 anti-mouse NK-1.1, KIRAVIA Blue 520™ anti-mouse NK-1.1, Spark NIR™ 685 anti-mouse NK-1.1 Antibody, Spark YG™ 581 anti-mouse NK-1.1, PE/Fire™ 700 anti-mouse NK-1.1, Spark Red™ 718 anti-mouse NK-1.1, PE/Fire™ 810 anti-mouse NK-1.1, Brilliant Violet 421™ anti-mouse NK-1.1, Brilliant Violet 785™ anti-mouse NK-1.1, Brilliant Violet 711™ anti-mouse NK-1.1, Brilliant Violet 650™ anti-mouse NK-1.1, PE/Fire™ 640 anti-mouse NK-1.1, Brilliant Violet 605™ anti-mouse NK-1.1, PerCP/Fire™ 780 anti-mouse NK-1.1, Spark Blue™ 550 anti-mouse NK1.1 (Flexi-Fluor™), Spark Blue™ 574 anti-mouse NK1.1 (Flexi-Fluor™) Antibody

Product Data



C57BL/6 mouse splenocytes were stained with anti-mouse CD49b (clone DX5) FITC and anti-mouse NK-1.1 (clone S17016D) PerCP/Fire™ 780 (left) or mouse IgG2a, κ PerCP/Fire™ 780 isotype control (right).

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