

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 <i>in vitro</i> and rejection of bone marrow allografts <i>in vivo</i> . 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](#)

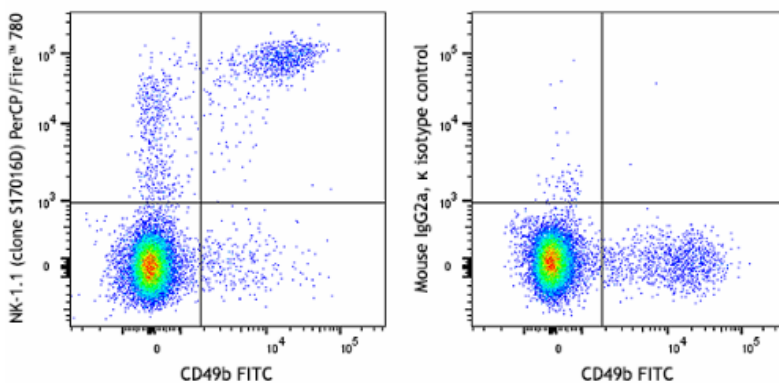
Related Protocols

- [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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