

CD314 (NKG2D) Monoclonal Antibody (CX5), APC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	CX5
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_469464

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	22 Publications

Product Specific Information

Description: The CX5 monoclonal antibody reacts with the mouse NKG2D, a lectin-like molecule expressed on both human and mouse NK cells. Mouse NKG2D binds to retinoic acid-inducible RAE-1 alpha, beta, gamma, delta, epsilon and the minor histocompatibility molecule H60 and has the ability to costimulate multiple NK activation receptors, through the DAP12/DAP10 adaptor molecules. NKG2D is expressed by all spleen and liver NK cells, NK1.1⁺ thymocytes, in vitro activated LAK cells, and a subset of splenic NKT cells.

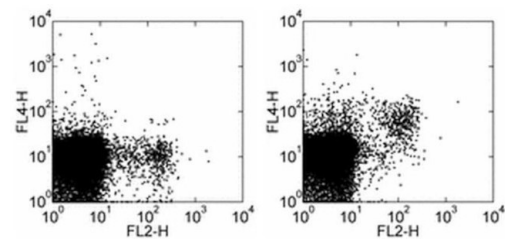
Applications Reported: This CX5 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This CX5 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD314 (NKG2D) Monoclonal Antibody (CX5), APC, eBioscience™



CD314 (NKG2D) Antibody (17-5882-82) in Flow
Staining of mouse splenocytes with Anti-Mouse CD49b (Integrin alpha 2) PE (Product # 12-5971-82) and 1.0 µg of Rat IgG1 K Isotype Control APC (Product # 17-4301-82) (left) or 1.0 µg of Anti-Mouse CD314 (NKG2D) APC (right). Cells in the lymphocyte gate were used for the analysis.

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22 References

Flow Cytometry (22)

eLife	Year 2023
Regulatory T cells suppress the formation of potent KLRK1 and IL-7R expressing effector CD8 T cells by limiting IL-2.	
"Published figure using CD314 (NKG2D) monoclonal antibody (Product # 17-5882-82) in Flow Cytometry"	
Authors: Tsyklauri O,Chadimova T,Niederlova V,Kovarova J,Michalik J,Malatova I,Janusova S,Ivashchenko O,Rossez H,Drobek A,Vecerova H,Galati V,Kovar M,Stepanek O	

Frontiers in immunology	Year 2021
Expansion of an Unusual Virtual Memory CD8⁺ Subpopulation Bearing V3.2 TCR in Themis-Deficient Mice.	
"Published figure using CD314 (NKG2D) monoclonal antibody (Product # 17-5882-82) in Flow Cytometry"	
Authors: Prasad M,Wojciech L,Brzostek J,Hu J,Chua YL,Tung DWH,Yap J,Rybakin V,Gascoigne NRJ	

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More applications with references on thermofisher.cn

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