

Product Datasheet

NKG2D/CD314 Antibody (1D11) - Azide and BSA Free NB100-65956-0.05mg

Unit Size: 0.05 mg

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Reviews: 1 Publications: 3

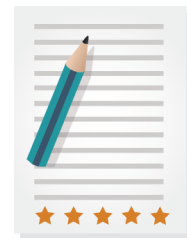
Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-65956

Updated 9/9/2025 v.20.1

**Earn rewards for product
reviews and publications.**

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-65956



NB100-65956-0.05mg

NKG2D/CD314 Antibody (1D11) - Azide and BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1D11
Preservative	No Preservative
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS

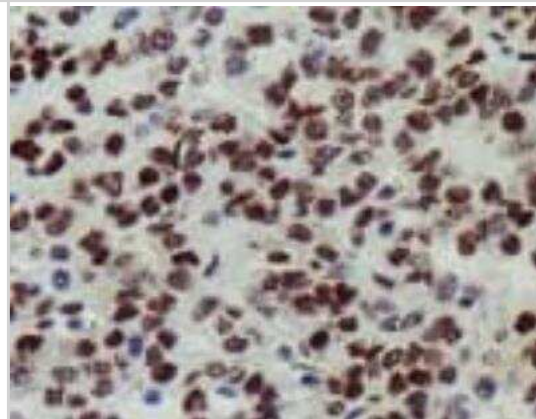
Product Description	
Description	Novus Biologicals Mouse NKG2D/CD314 Antibody (1D11) - Azide and BSA Free (NB100-65956) is a monoclonal antibody validated for use in IHC, Flow, ICC/IF and IP. Anti-NKG2D/CD314 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	22914
Gene Symbol	KLRK1
Species	Human
Specificity/Sensitivity	NB100-65956 is specific for CD314, also known as natural killer receptor G2 (NKG2D) and as killer cell lectin-like receptor subfamily K, member 1 (KLRK1). CD314 is a C-type lectin-like activating receptor which is expressed on most natural killer (NK) cells, CD8 T cells and gamma delta T cells. CD314 forms homodimers that signal through an associated DAP10 adaptor protein. Ligands of CD314 include MICA, MICB and UL16 binding protein (ULBP), which are inducibly expressed. Ligand binding to CD314 results in NK cell activation and potent costimulation of effector T cells. Clone 1D11 is reported to inhibit T cell recognition of MICA (1,6).
Immunogen	NKL cells

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Flow Cytometry 1:50-1:200, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, CyTOF-ready
Application Notes	Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID 24232187). Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 27759906). For flow, recommended use is 10ul of suggested working dilution to label 10 ⁶ cells in 100ul.

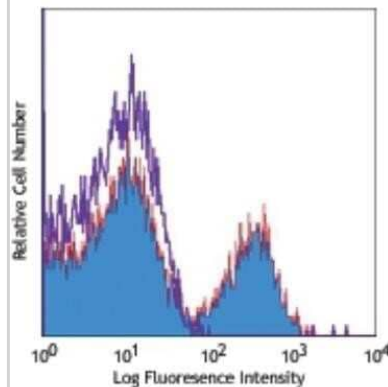


Images

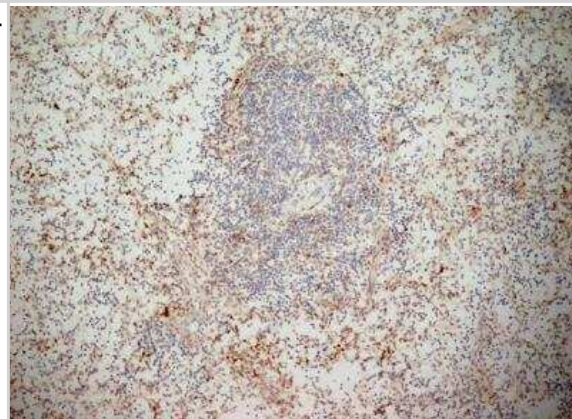
Immunohistochemistry-Paraffin: NKG2D/CD314 Antibody (1D11) - Low Endotoxin [NB100-65956] - Analysis of human tonsil tissue using NKG2D/CD314 antibody. PFA fixed paraffin-embedded sections. Heat-mediated antigen retrieval was performed for 30 minutes in citrate buffer. Primary antibody dilution was 1:200. Image from verified customer review.



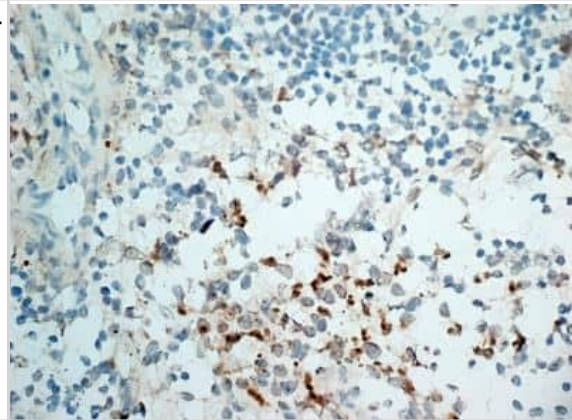
Flow Cytometry: NKG2D/CD314 Antibody (1D11) [NB100-65956] - Analysis using the Biotin conjugate of NB100-65956. Staining of Human peripheral blood lymphocytes with biotinylated 1D11, followed by Sav-PE.



Immunohistochemistry-Frozen: NKG2D/CD314 Antibody (1D11) [NB100-65956] - Immunoperoxidase staining of a human spleen cryosection with Mouse anti Human CD314 antibody,



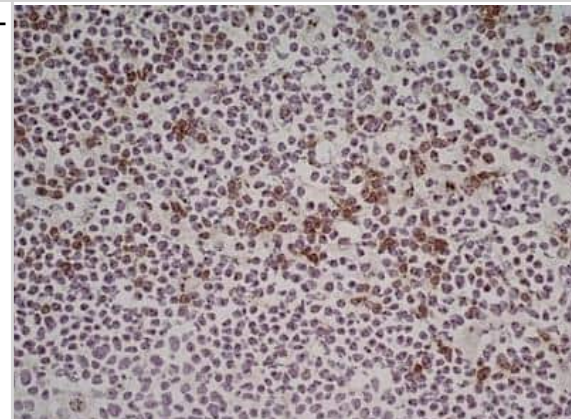
Immunohistochemistry-Frozen: NKG2D/CD314 Antibody (1D11) [NB100-65956] - Immunoperoxidase staining of a human spleen cryosection with Mouse anti Human CD314 antibody,



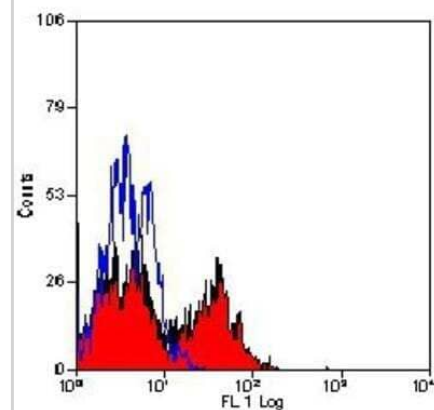
Immunohistochemistry-Frozen: NKG2D/CD314 Antibody (1D11) [NB100-65956] - Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD314 antibody.



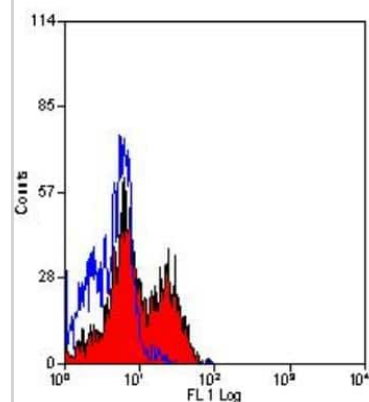
Immunohistochemistry-Frozen: NKG2D/CD314 Antibody (1D11) [NB100-65956] - Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD314 antibody.



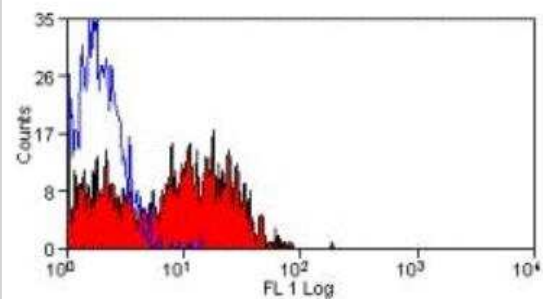
Flow Cytometry: NKG2D/CD314 Antibody (1D11) [NB100-65956] - Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN CD314:Low Endotoxin.



Flow Cytometry: NKG2D/CD314 Antibody (1D11) [NB100-65956] - Human peripheral blood lymphocytes.



Flow Cytometry: NKG2D/CD314 Antibody (1D11) [NB100-65956] - Human peripheral blood lymphocytes.



Publications

Ou ZL, Luo Z, Wei W et al. Hypoxia-induced shedding of MICA and HIF1A-mediated immune escape of pancreatic cancer cells from NK cells: role of circ_0000977/miR-153 axis RNA Biol 2019-08-12 [PMID: 31402756]

Vitales-Noyola M, Martinez-Martinez R, Loyola-Rodriguez JP et al. Quantitative and functional analysis of CD69(+) T regulatory lymphocytes in patients with periodontal disease. J. Oral Pathol. Med. 2016-10-19 [PMID: 27759906] (ICC/IF, IF/IHC)

Mozer-Lisewska I, Mania A, Kowala-Piaskowska A et al. Detection and Significance of Cytotoxic Cell Subsets in Biopsies of HCV-Infected Human Livers. Arch Immunol Ther Exp (Warsz). 2013-11-14 [PMID: 24232187] (IHC-P, Human)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-65956

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

