

Purified anti-mouse CD335 (NKp46) (Maxpar® Ready) Antibody

Catalog# / Size	137625 / 100 µg
Clone	29A1.4
Regulatory Status	RUO
Other Names	NKp46, NCR1
Isotype	Rat IgG2a, κ
Description	CD335, also known as NKp46, is a single-pass type I membrane protein of 46 kD. It belongs to the natural cytotoxicity receptor (NCR) family and contains two Ig-like (immunoglobulin-like) domains. It's expression is restricted to NK cells and a subset of NKT cells; it's not expressed in CD1d-restricted NKT cells. CD335 is a receptor for viral hemagglutinins and heparan sulfate proteoglycans and is involved in NK cell activation.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	NKP46-IgG1 Fc fusion protein
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and EDTA.
Preparation	The antibody was purified by affinity chromatography.
Concentration	1.0 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	FC - Quality tested CyTOF® - Verified
Recommended Usage	This product is suitable for use with the Maxpar® Metal Labeling Kits . For metal labeling using Maxpar® Ready antibodies, proceed directly to the step to Partially Reduce the Antibody by adding 100 µl of Maxpar® Ready antibody to 100 µl of 4 mM TCEP-R in a 50 kDa filter and continue with the protocol. Always refer to the latest version of Maxpar® User Guide when conjugating Maxpar® Ready antibodies.
Application Notes	Additional reported applications (for the relevant formats) include: immunohistochemical staining of frozen tissue sections ^{1,2} and <i>in vitro</i> activation of NK cells ¹ .
Additional Product Notes	Maxpar® is a registered trademark of Standard BioTools Inc.
Application References	1. Walzer T, <i>et al.</i> 2007. <i>P. Natl. Acad. Sci. USA</i> 104:3384. (FC, Activ) 2. Walzer T, <i>et al.</i> 2007. <i>Nat. Immunol.</i> 8:1337. (FC, Activ) 3. Guerriero JL, <i>et al.</i> 2011. <i>J. Immunol.</i> 186:3517. (IHC) PubMed
(PubMed link indicates BioLegend citation)	
Product Citations	1. Zhu YP <i>et al.</i> 2018. <i>Cell reports.</i> 24(9):2329-2341 . PubMed
RRID	AB_2563744 (BioLegend Cat. No. 137625)

Antigen Details

Structure	Single-pass type I membrane protein, 46 kD; belongs to the natural cytotoxicity receptor (NCR) family; contains 2 Ig-like (immunoglobulin-like) domains
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Distribution	Mature and immature NK cells, subset of NKT cells, but not on CD1d-restricted NKT cells
Function	NK cells activation
Ligand/Receptor	Viral hemagglutinins, heparan sulfate proteoglycans
Cell Type	NK cells, NKT cells
Biology Area	Immunology, Innate Immunity
Molecular Family	CD Molecules
Antigen References	1. Colucci F and Cilio CM. 2010. <i>Nat. Immunol.</i> 125:60. 2. Caligiuri MA. 2008. <i>Blood</i> 112:461. 3. Colonna M. 2009. <i>Immunity</i> 31:15.
Gene ID	17086

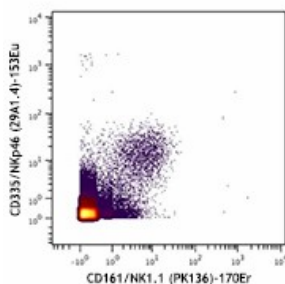
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Brilliant Violet 510™ anti-mouse CD335 (NKp46), Brilliant Violet 711™ anti-mouse CD335 (NKp46), PE anti-mouse CD335 (NKp46), PE/Cyanine7 anti-mouse CD335 (NKp46), Purified anti-mouse CD335 (NKp46), FITC anti-mouse CD335 (NKp46), APC anti-mouse CD335 (NKp46), PerCP/Cyanine5.5 anti-mouse CD335 (NKp46), Brilliant Violet 421™ anti-mouse CD335 (NKp46), Biotin anti-mouse CD335 (NKp46), Brilliant Violet 605™ anti-mouse CD335 (NKp46), Purified anti-mouse CD335 (NKp46) (Maxpar® Ready), Alexa Fluor® 647 anti-mouse CD335 (NKp46), PE/Dazzle™ 594 anti-mouse CD335 (NKp46), APC/Fire™ 750 anti-mouse CD335 (NKp46), Brilliant Violet 650™ anti-mouse CD335 (NKp46), TotalSeq™-A0184 anti-mouse CD335 (NKp46), Brilliant Violet 785™ anti-mouse CD335 (NKp46), Ultra-LEAF™ Purified anti-mouse CD335 (NKp46), TotalSeq™-B0184 anti-mouse CD335 (NKp46), TotalSeq™-C0184 anti-mouse CD335 (NKp46), APC/Cyanine7 anti-mouse CD335 (NKp46), PE/Cyanine5 anti-mouse CD335 (NKp46)

Product Data



Mouse splenocytes stained with 153Eu-anti-CD335 (29A1.4) and 170Er-anti-CD161 (NK1.1) (PK136). Data provided by DVS Sciences.

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