

Datasheet: MCA4665A647

Description:	MOUSE ANTI HUMAN CD336:Alexa Fluor® 647
Specificity:	CD336
Other names:	NKp44
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	3.43
Isotype:	IgG1
Quantity:	100 TESTS/1ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/10

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human		
Product Form	Purified IgG conjugated to Alexa Fluor®647- liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®647	650	665
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.05mg/ml		

Immunogen CD336-human crystallizable Fc fusion protein.

External Database

Links

UniProt:

[O95944](#)

[Related reagents](#)

Entrez Gene:

[9436](#)

NCR2

[Related reagents](#)

Synonyms

LY95

RRID

AB_10675643

Specificity

Mouse anti Human CD336 antibody, clone 3.43 recognizes human CD336, otherwise known as NKp44 (natural killer cell p44-related protein). CD336 is a 255 amino acid ~44 kDa type I transmembrane glycoprotein and member of the natural cytotoxicity receptor (NCR) family, involved in NK cell recognition of tumour target cells during natural cytotoxicity responses.

CD336 is selectively expressed by IL-2 activated human NK cells, and associates via its transmembrane region with DNAX activation protein 12 (DAP12), an ITAM containing adaptor protein, essential for the cell surface expression of CD336 and for the transduction of intracellular signalling. CD336 is also expressed on a minor subset of TCR gamma/delta cells, and by a subset of natural interferon-producing cells (IPCs) when activated by IL-3.

Flow Cytometry

Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

References

1. Fuchs, A. *et al.* (2005) Paradoxical inhibition of human natural interferon-producing cells by the activating receptor NKp44. [Blood. 106 \(6\): 2076-82.](#)

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee

12 months from date of despatch

Acknowledgements

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Health And Safety Information Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA928A647\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M385616:210513'

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