

Datasheet: MCA4665

Description:	MOUSE ANTI HUMAN CD336
Specificity:	CD336
Other names:	NKp44
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3.43
Isotype:	IgG1
Quantity:	0.2 mg

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	▪			1/10 - 1/200

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 - liquid
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)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/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_10672880

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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
'M384077:210513'

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