

Datasheet: MCA4646F

Description:	MOUSE ANTI HUMAN CD335:FITC
Specificity:	CD335
Other names:	NKp46
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	9E2
Isotype:	IgG1
Quantity:	0.1 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	■			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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.1mg/ml		

Immunogen	CD335-Fc fusion protein
External Database Links	<p>UniProt: O76036 Related reagents</p> <p>Entrez Gene: 9437 NCR1 Related reagents</p>
Synonyms	LY94
RRID	AB_1898177
Specificity	<p>Mouse anti Human CD335 antibody, clone 9E2 recognizes human NK (natural killer) cell-specific marker CD335, otherwise known as NKp46, a 46kDa type I transmembrane glycoprotein, and the first identified member of the natural cytotoxicity receptor (NCR) family.</p> <p>CD335 is uniquely expressed by all resting and activated NK cells, and considered to be the major NK cell lysis receptor for autologous pathogen-infected and tumour target cells, during natural cytotoxicity responses. Ligands of CD335 include viral haemagglutinins (HAs), and heparan sulphate proteoglycans (HSPGs) on the surface of tumour cells.</p> <p>Mouse anti Human CD335 antibody, clone 9E2 mediates re-directed NK cell cytotoxicity (Yusa <i>et al.</i> 2002, Chen <i>et al.</i> 2007).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
References	<ol style="list-style-type: none"> 1. Yusa, S. <i>et al.</i> (2002) SHP-1- and phosphotyrosine-independent inhibitory signaling by a killer cell Ig-like receptor cytoplasmic domain in human NK cells. J Immunol. 168 (10): 5047-57. 2. Chklovskaya, E. <i>et al.</i> (2004) Reconstitution of dendritic and natural killer-cell subsets after allogeneic stem cell transplantation: effects of endogenous flt3 ligand. Blood. 103 (10): 3860-8. 3. Chen, Y. <i>et al.</i> (2007) Prostaglandin D2 suppresses human NK cell function via signaling through D prostanoid receptor. J Immunol. 179 (5): 2766-73.
Storage	<p>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.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10041 available at:

Information <https://www.bio-rad-antibodies.com/SDS/MCA4646F>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

Recommended Useful Reagents

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

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

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

'M385858:210513'

Printed on 15 Aug 2025

© 2025 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)