

Datasheet: MCA609F BATCH NUMBER 162465

Description:	RAT ANTI MOUSE CD8 ALPHA:FITC		
Specificity:	CD8 ALPHA		
Other names:	LY-2		
Format:	FITC		
Product Type:	Monoclonal Antibody		
Clone:	KT15		
Isotype:	lgG2a		
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 antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Mouse		
Product Form	Purified IgG conjugate	ed to Fluorescein Isoth	niocyanate Isomer
lax Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm
	FITC	490	525
uffer Solution	supernatant Phosphate buffered s	aline	
eservative abilisers	0.09% Sodium Azide 1% Bovine Serum	Albumin	
	170 DOVING Serum	Albullill	

Concentrations

T cell clone, C6
UniProt:
P01731 Related reagents
Frature Come
Entrez Gene: 12525 Cd8a Related reagents
Lyt2, Lyt-2
AB_321409
Spleen cells from immunized SD rats were fused with cells of the NS0 mouse myeloma cell line
Rat anti Mouse CD8α, clone KT15, recognizes the alpha chain of mouse CD8. CD8 is a heterodimeric protein composed of disulphide-linked CD8α and CD8β chains that is expressed primarily on cytotoxic T-cells. CD8 functions in the interaction with MHC Class I-bearing targets and plays a role in T-cell-mediated killing (Nakauchi, H. et al., 1985).
Clone KT15 is reported to block T-cell-mediated cytotoxicity in <i>in vitro</i> assays (<u>Zeis, M. et al., 2002</u>).
Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR (<u>BUF041A/B</u>).
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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
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA609F 10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

RAT IgG2a NEGATIVE CONTROL:FITC (MCA1212F)

 North & South
 Tel: +1 800 265 7376
 Worldwide
 Tel: +44 (0)1865 852 700
 Europe
 Tel: +49 (0) 89 8090 95 21

 America
 Fax: +1 919 878 3751
 Fax: +44 (0)1865 852 739
 Fax: +49 (0) 89 8090 95 50

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

'M385874:210513'

Printed on 08 Mar 2024

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