

Datasheet: MCA609SBY665

BATCH NUMBER 100007711

Description:	RAT ANTI MOUSE CD8 ALPHA: StarBright Yellow 665	
Specificity:	CD8 ALPHA	
Other names:	LY-2	
Format:	StarBright Yellow 665	
Product Type:	Monoclonal Antibody	
Clone:	KT15	
Isotype:	IgG2a	
Quantity:	100 TESTS/0.5ml	

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

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	Mouse		
Product Form	Purified IgG conjugate	ed to StarBright Yellov	v 665 - liquid
lax Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm
	StarBright Yellow 665	554	670
reparation	Purified IgG prepared supernatant	by affinity chromatog	raphy on Protein A t
fer Solution	Phosphate buffered sa	aline	
servative	0.09% Sodium Azide	(NaN ₃)	
abilisers	1% Bovine Serum Alb	umin	
	0.1% Pluronic F68		
	0.1% PEG 3350		

T cell clone, C6

External Database Links

UniProt:

P01731 Related reagents

Entrez Gene:

12525 Cd8a Related reagents

Synonyms

Lyt2, Lyt-2

Fusion Partners

Spleen cells from immunized SD rats were fused with cells of the NS0 mouse myeloma cell line

Specificity

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 *in vitro* assays (Zeis, M. et al., 2002).

Flow Cytometry

Use 5μ l of the suggested working dilution to label 10^6 cells in 100μ l. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.

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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Acknowledgements	This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts
Health And Safety Information	Material Safety Datasheet documentation #20471 available at: https://www.bio-rad-antibodies.com/SDS/MCA609SBY665 20471
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

MOUSE SEROBLOCK FcR (BUF041A)

MOUSE SEROBLOCK FcR (BUF041B)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Worldwide

Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Europe

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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 'M419127:230522'

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