

Datasheet: MCA609SBUV795

Description:	RAT ANTI MOUSE CD8 ALPHA: StarBright UltraViolet 795
Specificity:	CD8 ALPHA
Other names:	LY-2
Format:	StarBright UltraViolet 795
<b>Product Type:</b>	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 <a href="www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.

	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 UltraV	iolet 795 - liquid
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm
	StarBright UltraViolet 795	340	792
Preparation	Purified IgG prepared supernatant	by affinity chromatog	raphy on Protein A
Buffer Solution	Phosphate buffered s	aline	
Preservative	0.09% Sodium Azide	(NaN <sub>3</sub> )	
Stabilisers	1% Bovine Serum Alb	oumin	
	0.1% Pluronic F68		
	0.1% PEG 3350		

lmn	nunc	gen
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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 5ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.

### References

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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	Material Safety Datasheet documentation #20471 available at:
Information	https://www.bio-rad-antibodies.com/SDS/MCA609SBUV795
	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

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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 'M399315:220630'

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