

Datasheet: MCA1439SBV760

Description:	RAT ANTI MOUSE CD19:StarBright Violet 760		
Specificity:	CD19		
Format:	StarBright Violet 760		
Product Type:	Monoclonal Antibody		
Clone:	6D5		
Isotype:	lgG2a		
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 conjugat	ed to StarBright Violet	760 - liquid
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm
	StarBright Violet 760	403	754
Preparation	Purified IgG prepared	l by affinity chromatog	raphy on Protein G
	supernatant	. 27 ammy omomatog.	
uffer Solution	•		
	supernatant	aline	
Preservative	supernatant Phosphate buffered s	caline (NaN ₃)	
Preservative	Phosphate buffered s	caline (NaN ₃)	
Buffer Solution Preservative Stabilisers	Phosphate buffered s 0.09% sodium azide 1% bovine serum alb	caline (NaN ₃)	

Approx. Protein Concentrations

For information on the concentration of our StarBright Dye conjugated reagents please visit our FAQ page.

Immunogen

Human K562 cell line transfected with murine CD19.

External Database Links

UniProt:

P25918 Related reagents

Entrez Gene:

12478 Cd19 Related reagents

Fusion Partners

Spleen cells from immunised rats were fused with cells of the P3X63.Ag8.653 myeloma cell line.

Specificity

Rat anti Mouse CD19 antibody, clone 6D5 recognizes the murine CD19 cell surface antigen, a ~95 kDa glycoprotein expressed by B lymphocytes. Rat anti Mouse CD19 antibody, clone 6D5 recognizes the same, or a closely related epitope as clone Rat anti Mouse CD19 antibody, clone ID3 in cross-competition assays.

StarBright Violet 670 conjugated Rat anti Mouse CD19 antibody, clone 6D5 (MCA1439SBV670) has been used successfully to label cells in an organ-on-chip platform by immunofluorescence (Cook *et al.* 2024 [preprint]).

Flow Cytometry

Use 5µl of the suggested working dilution to label 10⁶ cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.

References

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- 12. Weiss-Gayet, M. *et al.* (2016) Notch Stimulates Both Self-Renewal and Lineage Plasticity in a Subset of Murine CD9High Committed Megakaryocytic Progenitors. <u>PLoS One. 11 (4): e0153860.</u>
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- 18. Lepland, A. *et al.* (2024) Therapeutic Tumor Macrophage Reprogramming in Breast Cancer Through a Peptide-Drug Conjugate <u>bioRxiv 12 Aug [Epub ahead of print].</u>

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/MCA1439SBV760 20471
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

MOUSE SEROBLOCK FcR (BUF041A)
MOUSE SEROBLOCK FcR (BUF041B)

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То

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M434999:250224'

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