

Datasheet: MCA1271SBB765

BATCH NUMBER 100007115

Description:	MOUSE ANTI HUMAN CD33:StarBright Blue 765		
Specificity:	CD33		
Format:	StarBright Blue 765		
Product Type:	Monoclonal Antibody		
Clone:	WM53		
Isotype:	lgG1		
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	Human		
Product Form	Purified IgG conjugate	ed to StarBright Blue 7	765 - liquid
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (n
	StarBright Blue 765	476	764
	supernatant	by affinity chromatogi	raphy on Protein (
Buffer Solution	.	, , ,	raphy on Protein
Buffer Solution Preservative	supernatant	aline	raphy on Protein
Buffer Solution Preservative	supernatant Phosphate buffered s	aline (NaN ₃)	raphy on Protein
Buffer Solution Preservative	Supernatant Phosphate buffered s 0.09% sodium azide (aline (NaN ₃)	raphy on Protein
Preparation Buffer Solution Preservative Stabilisers	supernatant Phosphate buffered s 0.09% sodium azide (1% bovine serum albi	aline (NaN ₃)	raphy on Protein

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Human AML cells

External Database

Links

UniProt:

P20138 Related reagents

Entrez Gene:

945 CD33 Related reagents

Synonyms

SIGLEC3

Fusion Partners

Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line

Specificity

Mouse anti Human CD33 antibody, clone WM53 recognizes the human CD33 cell surface glycoprotein. This antigen, considered to be specific for the myeloid lineage, has also been reported to be present on cells of lymphoid origin.

Mouse anti Human CD33 antibody, clone WM53 immunoprecipitates a protein of ~75 kDa from myeloid cells, a smaller protein of approximately 67 kDa has been observed in immunoprecipitates from lymphoid targets.

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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- 4. Vamvakopoulos, J. *et al.* (2002) Genetic control of IL-1beta bioactivity through differential regulation of the IL-1 receptor antagonist. Eur J Immunol. 32 (10): 2988-96.
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- 8. Lin, C.W. *et al.* (2005) CD94 1A transcripts characterize lymphoblastic lymphoma/leukemia of immature natural killer cell origin with distinct clinical features. Blood. 106 (10): 3567-74.
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alternative splicing. J Leukoc Biol. 79: 46-58.

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- 11. Yasukawa, T. *et al.* (2012) Simple detection of surface antigens on living cells by applying distinct cell positioning with negative dielectrophoresis. <u>Anal Chem. 84 (20):</u> 8830-6.
- 12. McCormack E *et al.* (2013) Multiplexed mAbs: a new strategy in preclinical time-domain imaging of acute myeloid leukemia. <u>Blood. 121 (7): e34-42.</u>
- 13. Hu, Z. *et al.* (2016) Self-assembled nanoparticles based on folic acid modified carboxymethyl chitosan conjugated with targeting antibody <u>J Wuhan Univ of Technol-Mater. Sci. Ed. 31 (2): 446-53.</u>
- 14. Hernández-Caselles T *et al.* (2019) CD33 (Siglec-3) Inhibitory Function: Role in the NKG2D/DAP10 Activating Pathway. J Immunol Res. 2019: 6032141.

Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
	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:
momation	https://www.bio-rad-antibodies.com/SDS/MCA1271SBB765 20471
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

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

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Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M410005:221024'

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