

Datasheet: MCA461SBV670 BATCH NUMBER 100004937

Description:	MOUSE ANTI HUMAN CD45RO:StarBright Violet 670
Specificity:	CD45RO
Format:	StarBright Violet 670
Product Type:	Monoclonal Antibody
Clone:	UCHL1
lsotype:	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 <u>www.bio-rad-antibodies.com/protocols</u> .				
		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				
Species Cross Reactivity	Reacts with: Chimpanzee, Marmoset, Pig N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.				
Product Form	Purified IgG conjugated to StarBright Violet 670 - liquid				
Max Ex/Em	Fluorophore StarBright Violet 670	Excitation Ma 400	x (nm)	Emission Max (nm) 667	
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant				
Buffer Solution	Phosphate buffered saline				

Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 0.1% Pluronic F68 0.1% PEG 3350 0.05% Tween 20	
Immunogen	Human IL-2 dependent T cells	
External Database Links	UniProt: <u>P08575</u> <u>Related reagents</u> Entrez Gene: <u>5788</u> PTPRC <u>Related reagents</u>	
Synonyms	CD45	
Fusion Partners	Spleen cells from immunised mice were fused with cells of the myeloma cell line	mouse P3/NS1/1-Ag4-1
Specificity	Mouse anti Human CD45RO monoclonal antibody, clone U molecular weight isoform (180 kDa) of the leucocyte common is expressed by a functional subset of T cells with memory phe In peripheral blood Mouse anti Human CD45RO, clone UCHL lymphocytes and all monocytes and granulocytes.	antigen (LCA). The antigen enotype.
Flow Cytometry	Use 5ul of the suggested working dilution to label 10 ⁶ cells in <i>s</i> uggest a 5 minutes centrifugation at 6,000g prior to sample a	•
References	 Smith, S.H. <i>et al.</i> (1986) Functional subsets of human helpenew monoclonal antibody, UCHL1. <u>Immunology 58: 63-70.</u> Norton, A.J. <i>et al.</i> (1986) Monoclonal antibody (UCHL1) that neoplastic T cells in routinely fixed tissues. <u>J Clin Pathol. 39 (4</u> Beverley, P.C.L. <i>et al.</i> (1986) T-cell subsets and function. Pr Cinader, B., Miller, G.G., eds. Academic Press Orlando pp 941 Beverley, P.C. (1987) Human T cell subsets. <u>Immunol Lett.</u> 5. Terry. L.A. <i>et al.</i> (1987) Phenotypic heterogeneity of the CD4 Leucocyte Typing III. McMichael, A.J., Beverley, P.C.L. <i>et al.</i> ed 225-7. Akbar, A.N. <i>et al.</i> (1988) Loss of CD45R and gain of UCHL1, recomponent of the human leucocyte-common antigen, CD45. <u>In</u> Beverley, P.C.L. <i>et al.</i> (1988) Phenotypic diversity of the CD to function. <u>Immunology, Suppl. 1: 3-5.</u> Merkenschlager, M. <i>et al.</i> (1988) Limiting dilution analysis of human lymphocyte populations defined by the monoclonal antibody. 	t recognises normal and (1): 399-405. rogress in Immunology VI. I-948. 14 (4): 263-7. 4+ and CD8+ subsets. ds. University Press. pp 1 reactivity is a feature of ecognizes a 180,000 MW mmunology. 64 (2): 331-6. 45 antigen and its relation f proliferative responses in

	for differential CD45 expression in T cell memory formation. <u>Eur J Immunol. 18 (11):</u>				
	<u>1653-61.</u> 10. Cavers, M. <i>et al.</i> (2002) Differential expression of beta1 and beta2 integrins and L-selectin on CD4+ and CD8+ T lymphocytes in human blood: comparative analysis between isolated cells, whole blood samples and cryopreserved preparations. <u>Clin Exp</u> Immunol. 127: 60-5.				
	 Hutnick, N.A. <i>et al.</i> (2010) Vaccination with Ad5 vectors expands Ad5-specific CD8 T cells without altering memory phenotype or functionality. <u>PLoS One. 5: e14385.</u> Leigh, J.E. <i>et al.</i> (2006) Characterization of the immune status of CD8+ T cells in oral lesions of human immunodeficiency virus-infected persons with oropharyngeal Candidiasis. <u>Clin Vaccine Immunol. 13: 678-83.</u> 				
	13. Nistala, K. <i>et al.</i> (2008) Interleukin-17-producing T cells are enriched in the joints of children with arthritis, but have a reciprocal relationship to regulatory T cell numbers. Arthritis Rheum. 58: 875-87.				
	 14. Liu Y <i>et al.</i> (2015) Fractionation of human spermatogenic cells using STA-PUT gravity sedimentation and their miRNA profiling. <u>Sci Rep. 5: 8084.</u> 15. Wilson, C.L. <i>et al.</i> (2015) Ubiquitin C-terminal hydrolase 1: A novel functional marker for liver myofibroblasts and a therapeutic target in chronic liver disease. <u>J Hepatol. 63 (6):</u> 1421-8. 				
	16. Zhao, H. <i>et al.</i> (2018) <i>In vitro</i> differentiation of spermatogonial stem cells using testicular cells from Guangxi Bama mini-pig. <u>J Vet Sci. 19 (5): 592-9.</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/MCA461SBV670 20471				
Regulatory	For research purposes only				

Related Products

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

North & South	Tel: +1 800 265 7376 Worldwi	ide	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
	Email: antibody_sales_us@bio-rad.com		Email: antibody_sales_uk@bio-rad.com		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 'M376256:210127'

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