

Datasheet: MCA461SBV440

Description:	MOUSE ANTI HUMAN CD45RO:StarBright Violet 440
Specificity:	CD45RO
Format:	StarBright Violet 440
Product Type:	Monoclonal Antibody
Clone:	UCHL1
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	Human			
Species Cross	Reacts with: Chimpa	ınzee, Marmoset		
Reactivity	reactivity is derived f	rom testing within our I	ions may vary between species. Cross aboratories, peer-reviewed publication ors. Please refer to references indicate	ns or
Product Form	Purified IgG conjuga	ted to StarBright Violet	440 - liquid	
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)	
	StarBright Violet 440	383	436	
Preparation	Purified IgG prepare supernatant	d by affinity chromatog	raphy on Protein A from tissue culture	;
Buffer Solution	Phosphate buffered	saline		

Preservative Stabilisers	0.09% Sodium Azide (NaN₃)1% Bovine Serum Albumin0.1% Pluronic F680.1% PEG 3350
Approx. Protein Concentrations	For information on the concentration of our StarBright Dye conjugated reagents please visit our <u>FAQ</u> page.
Immunogen	Human IL-2 dependent T cells
External Database Links	UniProt: P08575 Related reagents Entrez Gene: 5788 PTPRC Related reagents
Synonyms	CD45
Fusion Partners	Spleen cells from immunised mice were fused with cells of the mouse P3/NS1/1-Ag4-1 myeloma cell line
Specificity	Mouse anti Human CD45RO monoclonal antibody, clone UCHL1 recognizes the low molecular weight isoform (180 kDa) of the leucocyte common antigen (LCA). The antigen is expressed by a functional subset of T cells with memory phenotype. In peripheral blood Mouse anti Human CD45RO, clone UCHL1 stains 40-80% of lymphocytes and all monocytes and granulocytes.
Flow Cytometry	Use 5µl of the suggested working dilution to label 10 ⁶ cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.
References	 Norton, A.J. <i>et al.</i> (1986) Monoclonal antibody (UCHL1) that recognises normal and neoplastic T cells in routinely fixed tissues. <u>J Clin Pathol. 39 (4): 399-405.</u> Terry. L.A. <i>et al.</i> (1987) Phenotypic heterogeneity of the CD4+ and CD8+ subsets. Leucocyte Typing III. McMichael, A.J., Beverley, P.C.L. <i>et al.</i> eds. University Press. pp 225-7. Akbar, A.N. <i>et al.</i> (1988) Loss of CD45R and gain of UCHL1 reactivity is a feature of primed T cells. <u>J Immunol. 140 (7): 2171-8.</u> Beverley, P.C.L. <i>et al.</i> (1988) Phenotypic diversity of the CD45 antigen and its relation to function. <u>Immunology, Suppl. 1: 3-5.</u> Merkenschlager, M. <i>et al.</i> (1988) Limiting dilution analysis of proliferative responses in

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This product is shipped at ambient temperature.
Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted.
12 months from date of despatch
This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts
Material Safety Datasheet documentation #20438 available at:
https://www.bio-rad-antibodies.com/SDS/MCA461SBV440
For research purposes only

Related Products

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M440796:250523'

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