

Datasheet: MCA461GT

Description:	MOUSE ANTI HUMAN CD45RO			
Specificity:	CD45RO			
Format:	Purified			
Product Type:	Monoclonal Antibody			
Clone:	UCHL1			
lsotype:	lgG2a			
Quantity:	25 µg			

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-				tions or personal dicated for further	
	rad-antibodies.com/protocols.					
	Yes No Not Determined Suggested Dilution					
	Flow Cytometry				1/25 - 1/50	
	Immunohistology - Frozen					
	Immunohistology - Paraffin	-				
	ELISA			•		
	Immunoprecipitation	-				
	Western Blotting					
	Where this antibody 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 antibody for use in their own					
	system using appropriate			•		
Target Species	Human					
Species Cross	Reacts with: Chimpanzee	e, Marmo	set			
Reactivity					species. Cross	
	reactivity is derived from	testing w	ithin our la	aboratories, peer-revie	wed publications or	
	personal communications	from the	originato	ors. Please refer to refe	erences indicated for	
	further information.					
Product Form	Purified IgG - liquid					
Preparation	Purified IgG prepared by supernatant	affinity cł	nromatogi	raphy on Protein G fror	n tissue culture	
Buffer Solution	Phosphate buffered saline	е				

Preservative Stabilisers	0.09% Sodium Azide			
Carrier Free	Yes			
Approx. Protein Concentrations	IgG concentration 1 mg/ml			
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			
RRID	AB_1102090			
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 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.			
Immunohistology	This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.			
Histology Positive Control Tissue	Tonsil			
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 human lymphocyte populations defined by the monoclonal anti for differential CD45 expression in T cell memory formation. Ex 1653-61. Terry, L.A. <i>et al.</i> (1988) The monoclonal antibody, UCHL1, recomponent of the human leucocyte-common antigen, CD45. In 7. Cavers, M. <i>et al.</i> (2002) Differential expression of beta1 and L-selectin on CD4+ and CD8+ T lymphocytes in human blood: between isolated cells, whole blood samples and cryopreserve Immunol. 127: 60-5. Leigh, J.E. <i>et al.</i> (2006) Characterization of the immune stat lesions of human immunodeficiency virus-infected persons with Candidiasis. <u>Clin Vaccine Immunol. 13: 678-83.</u> Nistala, K. <i>et al.</i> (2008) Interleukin-17-producing T cells are children with arthritis, but have a reciprocal relationship to regularthritis Rheum. 58: 875-87. Hutnick, N.A. <i>et al.</i> (2010) Vaccination with Ad5 vectors expression and their miRNA profiling. <u>Sci Rep. 5: 8084.</u> Wilson, C.L. <i>et al.</i> (2015) Ubiquitin C-terminal hydrolase 1: for liver myofibroblasts and a therapeutic target in chronic liver <u>1421-8.</u> 	body UCHL1: implications ar J Immunol. 18 (11): ecognizes a 180,000 MW mmunology. 64 (2): 331-6. beta2 integrins and comparative analysis of preparations. <u>Clin Exp</u> us of CD8+ T cells in oral n oropharyngeal enriched in the joints of ilatory T cell numbers. pands Ad5-specific CD8 T <u>One. 5: e14385.</u> cells using STA-PUT gravity A novel functional marker
Further Reading	1. Beverley, P.C. (1987) Human T cell subsets. Immunol Lett. 1	14 (4): 263-7.
Storage	This product is shipped at ambient temperature. It is recommen- 20°C on receipt. When thawed, aliquot the sample as needed short term use (up to 4 weeks) and store the remaining aliquot Avoid repeated freezing and thawing as this may denature the frost-free freezers is not recommended.	. Keep aliquots at 2-8°C for s at -20°C.
Guarantee	12 months from date of despatch	
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA461GT 10040	
Regulatory	For research purposes only	

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77)	<u>HRP</u>
Rabbit Anti Mouse IgG (STAR12)	<u>RPE</u>
Goat Anti Mouse IgG (STAR70)	<u>FITC</u>

Goat Anti Mouse IgG IgA IgM (STAR87) <u>Alk. Phos.</u> , <u>HRP</u>			
Goat Anti Mouse IgG (STAR76)	RPE		
Goat Anti Mouse IgG (Fc) (STAR120)	FITC, HRP		
Rabbit Anti Mouse IgG (STAR13)	HRP		
Rabbit Anti Mouse IgG (STAR9)	<u>FITC</u>		
Goat Anti Mouse IgG (H/L) (STAR117)	Alk. Phos., DyLight®488, DyLight®550,		
	DyLight®650, DyLight®680, DyLight®800,		
	FITC, HRP		

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

North & South	Tel: +1 800 265 7376	Worldwide	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-ra	id.com	Email: antibody_sales_uk@bio-ra	d.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 'M384160:210513'

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