

Product Data Sheet

Purified anti-human CD45RO

Furneu an				
Catalog # / Size:	304202 / 100 µg			
	UCHL1		4	
	Mouse IgG2a, κ		A. International Action of the second	
Workshop Number:	-			
-	Human, Cross-Reactivity: Chimpanzee, Common Mari	moset	1 ///	
-	The antibody was purified by affinity chromatography.	2 N		
-	Phosphate-buffered solution, pH 7.2, containing 0.09%	moset sodium azide.		
Concentration:		elati		
	The antibody solution should be stored undiluted at 4°C.	_	hannightthe	
Application	S:		10 ⁰ 10 ¹ 10 ² 10 ³ 10 ⁴	
Applications:	FC - Quality tested WB, IP, IHC - Reported in literature			
Recommended Usage:	Each lot of this antibody is quality control tested by immustaining with flow cytometric analysis. For immunofluore suggested use of this reagent is $\leq 2.0 \ \mu g$ per million cells is recommended that the reagent be titrated for optimal application.	s in 100 μl volume. It		
Application Notes:	The UCHL1 antibody is commonly used in combination with antibodies against CD45RA to discern memory and naïve T cells. Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen tissue sections ⁵ and formalin-fixed paraffin-embedded tissue sections ⁴ , Western blotting ² , and immunoprecipitation ³ .			
Application References:	 Knapp W, et al. Eds. 1989. Leucocyte Typing IV. Oxford University Press. New York. (FC) Ishii T, et al. 2001. P. Natl. Acad. Sci. USA 98:12138. (WB) Ponsford M, et al. 2001. Clin. Exp. Immunol. 124:315. (IP) Yamada M, et al. 1996. Stroke 27:1155. (IHC) Sakkas LI, et al. 1998. Clin. Diagn. Lab. Immunol. 5:430. (IHC) Baba N, et al. 2010. Int. Immunol. 180:7431. (FC) PubMed Thakral D, et al. 2008. J. Immunol. 180:7431. (FC) PubMed Weiss L, et al. 2007. Infect. Immun. 75:4357. PubMed Mu YY, et al. 2007. Infect. Immunol. 178:8028. PubMed Roque S, et al. 2007. J. Immunol. 178:8028. PubMed Yoshino N, et al. 2000. Exp. Anim. (Tokyo) 49:97. (FC) 			
Description:	CD45RO is a 180 kD single chain membrane glycoprotein. It is a splice variant of tyrosine phosphatase CD45, lacking the A, B, and C determinants. The CD45RO isoform is expressed on activated and memory T cells, some B cell subsets, activated monocytes/macrophages, and granulocytes. CD45RO enhances both T cell receptor and B cell receptor signaling mediated activation. CD45 and its isoforms non-covalently associate with lymphocyte phosphatase-associated phosphoprotein (LPAP) on T and B lymphocytes. CD45 has been reported to be associated with several other cell surface antigens including CD1, CD2, CD3, and CD4. CD45 has also been reported to bind galectin-1 and CD22. CD45 isoform expression can change in response to cytokines.			
Antigen References:	1. Thomas M. 1989. <i>Annu. Rev. Immunol.</i> 7:339. 2. Trowbridge I, <i>et al.</i> 1994. <i>Annu. Rev. Immunol.</i> 12:85.			
Related Products	Product Purified anti-human CD45RA Purified anti-human CD45 APC Goat anti-mouse IgG (minimal x-reactivity) Biotin Goat anti-mouse IgG (minimal x-reactivity) FITC Goat anti-mouse IgG (minimal x-reactivity) HRP Goat anti-mouse IgG (minimal x-reactivity) Purified Mouse IgG2a, k Isotype Ctrl PE Goat anti-mouse IgG (minimal x-reactivity) Cell Staining Buffer RBC Lysis Buffer (10X) Purified anti-human CD45RB	Clone HI100 HI30 Poly4053 Poly4053 Poly4053 Poly4053 MOPC-173 Poly4053 MOPC-55	Application FC, IHC, CyTOF® FC, IHC, WB, IF, CyTOF® FC FC, ELISA, IHC, IF, WB FC ELISA, IHC, WB FC, ICC, IF, IHC, IP, WB FC FC, ICC, ICFC FC, ICC, ICFC FC, IHC, IP, WB	
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