

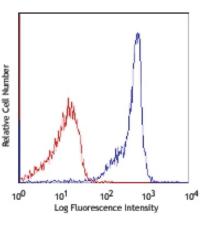
Product Data Sheet

APC/Cy7 anti-rat CD45

Catalog # / Size:	202216 / 100 µg	
Clone:	OX-1	
Isotype:	Mouse IgG1, κ	
Immunogen:	Enriched glycoprotein fraction from Wistar rat thymocytes	
Reactivity:	Rat	1
Preparation:	The antibody was purified by affinity chromatography, and conjugated with APC/Cy7 under optimal conditions. The solution is free of unconjugated APC/Cy7 and unconjugated antibody.	
Formulation:	n: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.	
Concentration:	0.2 mg/ml	
Storage:	The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.	

Applications:

Applications: FC - Quality teste



LOU rat splenocytes stained with OX-1 APC/Cy7

Applications:	FC - Quality tested		-		
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is \leq 1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.				
Application Notes:	Additional reported applications (for the relevant formats) include: immunoprecipitation ¹ , immunofluorescence microscopy (acetone fixed, ammonium-thiocyanate separated epidermal sheets) ² , immunohistochemistry of aceto -, isopentane- ⁴ , PLP ⁵ -, and n-hexane ⁶ fixed frozen sections and zinc-fixed paraffin-embedded sections, and partia inhibition of NK cell lysis of syngeneic tumor cell lines ¹ .				
	Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of University and made and sold under license from GE Healt for research use only.	of GE Healthcare Bio-Scier hcare Bio-Sciences Corp.	nces Corp. and Carnegie Mellon Sale of this product is licensed		
Application References:	 Giezeman-Smits KM, et al. 1999. J. Immunol. 163:71. (II Elbe A, et al. 1994. J. Invest. Dermatol. 102:74. (IF) Kouwenhoven E, et al. 2001. Kidney Int. 59:1142. (IHC) Martin A, et al. 1995 Clin. Exp. Immunol. 22:283. (IHC) Sayegh MH, et al. 1995 J. Exp. Med. 181:186. (IHC) Morioka Y, et al. 2000. Kidney Int. 60:2192. (IHC) Nakagawa P, et al. 2012. Am J Physiol Heart Circ Physi 	,			
Description:	CD45 is a 180-220 kD protein also known as leukocyte common antigen (LCA). It is a protein tyrosine phosphatase with multiple isoforms differing as a result of alternative splicing of the extracellular domain and glycosylation. CD45 is expressed on all hematopoietic cells except erythrocytes and platelets; isoform expression depends on cell type, activation state, and cell maturation. CD45 functions in signal transduction through T and B cell antigen receptors. CD45 has been shown to interact with various proteins including galectin-1, CD2, CD3, and CD4. The OX-1 antibody has been shown to partially inhibit NK cell-mediated lysis of syngeneic tumor cells <i>in vitro</i> .				
Antigen References:	1. Sunderland CA, <i>et al.</i> 1979. <i>Eur. J. Immunol.</i> 9:155. 2. Woolett GR, <i>et al.</i> 1985. <i>Eur. J. Immunol.</i> 15:168.				
Related Products	:Product APC/Cy7 Mouse IgG1, κ Isotype Ctrl Cell Staining Buffer RBC Lysis Buffer (10X)		Application FC, ICFC FC, ICC, ICFC FC, ICFC		



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