

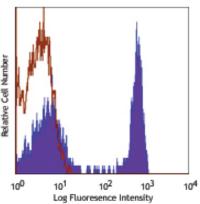
The path to legendary discovery™

Product Data Sheet

PE/Cy7 anti-human CD4

Catalog # / Size:	300511 / 25 tests 300512 / 100 tests	Г	-
Clone:	RPA-T4		
Isotype:	Mouse IgG1, κ		
Workshop Number:	IV T114	- age	₩1
Reactivity:	Human, Cross-Reactivity: Chimpanzee	ł.	Γ1
Preparation:	The antibody was purified by affinity chromatography, and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.	elative Cel	de la
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).	-	
Storage:	The CD4 antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.	10 ⁰	1

Applications:



Human peripheral blood lymphocytes stained with RPA-T4 PE/Cy7

Applications:	FC - Quality tested				
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. Test size products are transitioning from 20 µl to 5 µl per test. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.				
Application Notes:	The RPA-T4 antibody binds to the D1 domain of CD4 (CDR1 and CDR3 epitopes) and can block HIV gp120 binding and inhibit syncytia formation. Additional reported applications (for the relevant formats) include: immunohistochemistry ^{3,4,5} of acetone-fixed frozen sections, and blocking of T cell activation ^{1,2} . The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 300516).				
	Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary University and made and sold under license from G for research use only.	rights of GE Healthcare Bio SE Healthcare Bio-Sciences (-Sciences Corp. and Carnegie Mellon Corp. Sale of this product is licensed		
Application References:	 Knapp W, et al. 1989. Leucocyte Typing IV. Oxfo Moir S, et al. 1999. J. Virol. 73:7972. (Activ) Deng MC, et al. 1995. Circulation 91:1647. (IHC) Friedman T, et al. 1999. J. Immunol. 162:5256. (Mack CL, et al. 2004. Pediatr. Res. 56:79. (IHC) Lan RY, et al. 2006. Hepatology 43:729. Zenaro E, et al. 2009. J. Leukoc. Biol. 86:1393 Yoshino N, et al. 2000. Exp. Anim. (Tokyo) 49:97 Chung BH, et al. 2012. PLoS One. 7:e42011. Pt) IHC) 3. (FC) PubMed 7. (FC)	rk. (Activ)		
Description:	CD4, also known as T4, is a 55 kD single-chain typ subset of T cells, and monocytes/macrophages. CI associated with MHC class II molecules, and partic transduction. CD4 acts as a primary receptor for HI IL-16.	D4, a member of the Ig super ipates in cell-cell interactions	family, recognizes antigens , thymic differentiation, and signal		
Antigen References:	1. Center D, et al. 1996. Immunol. Today 17:476. 2. Gaubin M, et al. 1996. Eur. J. Clin. Chem. Clin. E	Biochem. 34:723.			
Related Products	: Product PE/Cy5 anti-human CD184 (CXCR4) PE/Cy7 anti-human CD8a PE/Cy5 anti-human CD3 PE/Cy7 Mouse IgG1, κ Isotype Ctrl Cell Staining Buffer RBC Lysis Buffer (10X) PE anti-human CD184 (CXCR4) PE/Cy7 anti-human CD25 PE/Cy7 anti-human CD3 PE/Cy7 anti-human CD8a	Clone 12G5 RPA-T8 UCHT1 MOPC-21 4G10 BC96 HIT3a HIT8a	Application FC FC FC, ICFC FC, ICFC FC, ICFC FC FC FC FC FC FC		
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