

Product Data Sheet

Alexa Fluor® 488 anti-Phosphotyrosine

Catalog # / Size:	309306 / 100 µg				
Clone:	PY20		1		
Isotype:	Mouse IgG2b, κ		A		
Immunogen:	KLH-conjugated phosphotyrosine	5	J {		
Reactivity:	All Species	Ê.	11 🖌		
Preparation:	The antibody was purified by affinity chromatography, and c Alexa Fluor® 488 under optimal conditions. The solution is f unconjugated Alexa Fluor® 488.	onjugated with ree of			
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodi	um azide. 🖉			
Concentration:	0.5 mg/ml				
Storage:	The antibody solution should be stored undiluted at 4°C and prolonged exposure to light. Do not freeze.	l protected from 100	10 ¹ 10 ² 10 ³ 10 ⁴ Log Fluoresence Intensity		
Application	S:	Hvd	rogen peroxide stimulated EL4		
Applications:	ICFC - Quality tested IF - Reported in the literature	célls Alex	célls intracellularly stained with PY20 Alexa Fluor® 488		
Recommended Usage:	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is $\leq 0.25 \ \mu$ g per million cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application.				
	 * Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm. ** Alexa Fluor® 488 is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 488 dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents. 				
Application Notes:	Additional reported applications (for the relevant formats) include: immunoprecipitation ^{1,2} , Western blotting ^{1,2} , immunofluorescence microscopy ³ .				
pplication References:	 Vuori K, et al. 1995. J. Biol. Chem. 270:22259. (IP, WB) Glenney J, et al. 1988. J. Immunol. Meth. 109:277. (IP, WB) Prahalad P, et al. 2004. Am J Physiol Cell Physiol 286:C693. (IF) Zentillin L, et al. 2009. FASEB J. 24:1467. PubMed 				
Description:	Phosphorylation is a common modification of proteins that can result in alterations in protein function, protein-protein association, cellular localization, and protein-half life. Phosphorylation can occur on threonine, serine, and tyrosine residues. The PY20 monoclonal antibody recognizes phosphorylated tyrosine residues in all species tested (human, mouse, rat, dog, chicken, and frog). The PY20 antibody has been shown to be useful for flow cytometry, immunoprecipitation, Western blotting, and immunofluorescence staining.				
Related Products	:Product	Clone			
	Alexa Fluor® 488 Mouse IgG2b, κ Isotype Ctrl Human TruStain FcX™ (Fc Receptor Blocking Solution)	MPC-11	FC, ICFC FC, ICFC FC, ICC, ICFC		

elated Products: Product	Clone	
Cell Staining Buffer		
Alexa Fluor® 488 Mouse IgG2b, κ Isotype Ctrl	MPC-11	
Human TruStain FcX™ (Fc Receptor Blocking Solution)		



Α

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.