

Product Data Sheet

Alexa Fluor® 647 anti-mouse Notch 3

TruStain fcX™ (anti-mouse CD16/32)

Catalog # / Size:	130511 / 25 µg 130512 / 100 µg			
Clone:	HMN3-133			
Isotype:	Armenian Hamster IgG			
Immunogen:	Notch 3-Fc fusion protein	Į	l. n	
Reactivity:	Mouse	ž	₩ ₩ ₩, # ₩	
Preparation:	The antibody was purified by affinity chromatography, and Alexa Fluor® 647 under optimal conditions. The solution i unconjugated Alexa Fluor® 647.	d conjugated with is free of	th set the cell with the set the cell with the set the cell with the set the s	
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% so	-		
Concentration:	0.5 mg/ml		Window Barris	
Storage:	The antibody solution should be stored undiluted at 4°C a prolonged exposure to light. Do not freeze.	ind protected from	10 ⁰ 10 ¹ 10 ² 10 ³ 10 ⁴ Log Fluorescence Intensity	
Application	S:		FN3/CHO (Notch-3 transfected) cells stained with HMN3-133 Alexa Fluor® 647	
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 $\leq 1.0 \ \mu g$ per 10 ⁶ cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application.			
	* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm. ** Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 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 References:	Moriyama Y, et al. 2008. Int J Immunology 20:763			
Description:	The Notch receptors are highly conserved from invertebrates to mammals. While Notch1 and Notch 2 exhibit the highest structural similarity among the four mammalian Notch receptors. Notch 3 has a number of structural and functional differences. The binding of Notch 3 to its ligands results in the proteolysis of Notch and movement of intracellular portions of Notch into the nucleus. This translocation triggers a series of signaling process. Notch 3 is primarily expressed in adult arterial smooth muscle cells. Notch 3 gene mutation can cause CADASIL, an inherited early stroke syndrome.			
Antigen References:	 Ehebauer ME <i>et al.</i> 2006. <i>Biochem J</i> 392:13 Shimizu K <i>et al.</i> 2000. <i>Mol Cell Biology</i> 20:18 Tanigaki K <i>et al.</i> 2007. <i>Nature Immunol</i> 8:451 Bellavia D <i>et al.</i> 2008. 27:5092 Louvi A <i>et al. Dev Neurosci.</i> 2006. 28:5 			
Related Products	: Product Alexa Fluor® 647 Armenian Hamster IgG Isotype Ctrl Cell Staining Buffer RBC Lysis Buffer (10X) TruStein faXIW (onti mouse CD16/22)	Clone HTK888	Application FC, ICFC FC, ICC, ICFC FC, ICFC FC	

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FC, ICFC FC



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