104



Product Data Sheet

PHA-stimulated (3 days) human

peripheral blood mononuclear cells stained with 4B4-1 A700

Alexa Fluor® 700 anti-human CD137 (4-1BB)

Catalog # / Size:	309816 / 100 µg					
Clone:	4B4-1					
Isotype:	Mouse IgG1, κ			٨Ŀ		
Workshop Number:	VI C-7	ы			()	
Immunogen:	Ectodomain of recombinant human 4-1BB fusion protein	umber		А.		
Reactivity:	Human, Cross-Reactivity: Chimpanzee, Baboon, Cynomolgus, Rhesus	Cell N	17	Λ		
Preparation:	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 700.	Relative C	1	4		
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.)		
Concentration:	0.5 mg/ml				and	-
Storage:	The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.	100		10 ¹ Log Fluo	10 ² rescence In	10 ³ tensity

Applications:

Applications: FC - Quality tested Recommended Usage: This reagent is developed for immunofluorescent staining for flow cytometric analysis; the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume. It is highly recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome. Alexa Fluor® 700 is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 700 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^{1,4}, inhibition of cytokine production^{2,3}, and ELISA. For most successful immunofluorescent staining results, it may be important to maximize signal over background by using a relatively bright fluorochrome-antibody conjugate (Cat. No. 309804) or by using a high sensitivity, three-layer staining technique (e.g., including a biotinylated anti-mouse IgG second step (Cat. No. 405303), followed by SAv-PE (Cat. No. 405204)) **Application References:** 1. Garni-Wagner B, et al. 1996. Cell. Immunol. 169:91. (IP) 2. Salih HR, et al. 2000. J. Immunol. 165:2903. (FA) 3. Kienzle G, et al. 2000. Int. Immunol. 12:73. (FA) 4. Langstein J, et al. 1998. J. Immunol. 160:2488. (IP)

Human TruStain FcX[™] (Fc Receptor Blocking Solution)

Description: CDw137 is a 39 kD transmembrane protein also known as 4-1BB. It is expressed on activated T cells. CDw137 is a type I membrane protein and a member of the tumor necrosis factor receptor superfamily. CDw137 appears to be important for T cell proliferation and survival, and induces monocyte activation through its interaction with 4-1BB ligand. Antigen References: 1. Gruss H, et al. 1995. Blood 85:3378. 2. Sica G, et al. 2000. Adv. Exp. Med. Biol. 465:355. 3. Alderson M, et al. 1994. Eur. J. Immunol. 24:2219. 4. Schwarz H, et al. 1996. Blood 87:2839. **Related Products: Product** Clone Application Alexa Fluor® 700 Mouse IgG1, κ Isotype Ctrl MOPC-21 FC, ICFC FC, ICC, ICFC FC, ICFC Cell Staining Buffer RBC Lysis Buffer (10X)

!

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.



FC. ICC. ICFC

*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.

> BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587