

Product Data Sheet

Alexa Fluor® 647 anti-mouse Notch 4

Catalog # / Size: 128411 / 25 µg
128412 / 100 µg

Clone: HMN4-14

Isotype: Armenian Hamster IgG

Immunogen: Notch4-Fc recombinant protein

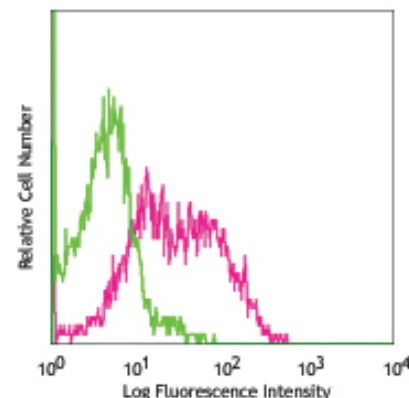
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



FN4/CHO (mouse Notch-4)
transfected cell line stained with
HMN4-14 Alexa Fluor® 647

Applications:

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 ≤ 1.0 µg/test. 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® 647 is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 647 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: 1. Moriyama Y, et al. 2008. *Int J. Immunol.* 20:763.

Description: The Notch receptors and their ligands are highly conserved from invertebrates to mammals. The Delta-like 1 (Dll1) is one of the four or five Notch ligands identified. The binding to Notch receptor results in the proteolysis of Notch and movement of intracellular portion of Notch into the nucleus. This translocation triggers a series of signaling process. Delta-like 1 is reported to be essential for the maintenance of marginal zone B cells in normal mice and engagement of Notch 1 by Dll 1 promotes differentiation of B lymphocytes to antibody-secreting cells.

Antigen References: 1. Ehebauer MT, et al. 2006. *Biochem J.* 392:13.
2. Shimizu K, et al. 2000. *Mol Cell Biology.* 20:18
3. Tanigaki K, et al. 2007. *Nature immunol.* 8:451.

Related Products:

Product
Cell Staining Buffer
RBC Lysis Buffer (10X)
Alexa Fluor® 647 Armenian Hamster IgG Isotype Ctrl
TruStain fcX™ (anti-mouse CD16/32)

Clone

HTK888
93

Application

FC, ICC, ICFC
FC, ICFC
FC, ICFC
FC



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