SONY

Product Data Sheet

Alexa Fluor® 647 anti-mouse Notch 3

Catalog # / Size: 1252560 / 100 µg
1252555 / 25 µg

Clone: HMN3-133

Isotype: Hamster IgG

Immunogen: Notch 3-Fc fusion protein

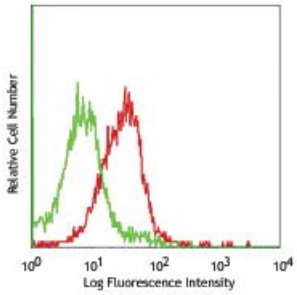
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.

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

Workshop Number: 750 under optimal conditions.

Concentration: 0.5



FN3/CHO (Notch-3 transfected) cells stained with HMN3-133 Alexa Fluor® 647

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 1.0 µg per 10^6 cells in 100 µl 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.

Application References:

1. 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:

1. Ehebauer ME *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
4. Bellavia D *et al.* 2008. 27:5092
5. Louvi A *et al. Dev Neurosci.* 2006. 28:5

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