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Technical Data Sheet

Anti-Mouse Notch3 APC

Catalog Number :73312-80

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: HMN3-133

Format/Conjugate: APC

Concentration: 0.2 mg/mL

Reactivity: Mouse

Laser: Red (635 -655nm)

Peak Emission: 660nm

Peak Excitation: 650nm

Filter: 660/20

Brightness (1=dim,5=brightest): 5

Isotype: Armenian Hamster IgG

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The HMN3-133 monoclonal antibody specifically reacts with mouse Notch3, a single-pass transmembrane protein. After binding with its ligand, Notch3 receptor undergoes cleavage resulting in a Notch intracellular domain (NICD) molecule that eventually activates transcription in the nucleus. It is expressed on Treg cells and adult smooth muscle arterial cells.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. For flow cytometric staining, the suggested use of this reagent is ≤0.25 ug per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

1.Moriyama, Y., Sekine, C., Koyanagi, A., Koyama, N., Ogata, H., Chiba, S., ... Yagita, H. (2008). Delta-like 1 is essential for the maintenance of marginal zone B cells in normal mice but not in autoimmune mice.;International immunology,;20(6), 763-773.

2. Bellavia, D., Checquolo, S., Campese, A. F., Felli, M. P., Gulino, A., Screpanti, I. (2008). Notch3: from subtle structural differences to functional diversity.;Oncogene,;27(38), 5092-5098.

3. Shi, J., Fallahi, M., Luo, J. L., Petrie, H. T. (2011). Nonoverlapping functions for Notch1 and Notch3 during murine steady-state thymic lymphopoiesis.Blood,;118(9), 2511-2519.

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