

Anti-Mouse CD339 (Jagged 1) PE

Catalogue Number : 41412-60

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

Product Information

Clone: HMJ1-29

Format/Conjugate: PE

Concentration: 0.2 mg/mL

Reactivity: Mouse, Rat

Laser: Blue (488nm), Yellow/Green (532-561nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

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 HMJ1-29 monoclonal antibody reacts with mouse and rat CD339 (Jagged 1), a type 1 transmembrane Notch receptor ligand. It is expressed by macrophages and certain stromal, epithelial, dendritic, and thymic lymphoid cells. It has been reported to play a role in Treg induction, Th2 polarization, neurogenesis, and cardiovascular development.

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 ≤1 ug per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Sekine, C., Moriyama, Y., Koyanagi, A., Koyama, N., Ogata, H., Okumura, K., ; Yagita, H. (2009). Differential regulation of splenic CD8⁻ dendritic cells and marginal zone B cells by Notch ligands. *International immunology*,;21(3), 295-301.
2. Yamaguchi, E., Chiba, S., Kumano, K., Kunisato, A., Takahashi, T., Takahashi, T., ; Hirai, H. (2002). Expression of Notch ligands, Jagged1, 2 and Delta1 in antigen presenting cells in mice. *Immunology letters*,;81(1), 59-64.
3. Elyaman, W., Bradshaw, E. M., Wang, Y., Oukka, M., Kivisaari, P., Chiba, S., ... ; Khoury, S. J. (2007). JAGGED1 and delta1 differentially regulate the outcome of experimental autoimmune encephalomyelitis. *The Journal of Immunology*,;179(9), 5990-5998.