

Anti-Mouse CD276 (B7-H3) PE

Catalog Number :28812-60

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

Product Information

Clone: M3.2D7

Format/Conjugate: PE

Concentration: 0.2 mg/mL

Reactivity: Mouse

Laser: Blue (488nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

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

Isotype: Rat IgG2a

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 M3.2D7 monoclonal antibody reacts with mouse CD276, also known as B7-H3 and is expressed on antigen presenting cells, including B cells, macrophages, and dendritic cells. The receptor of B7-H3 has not yet been identified.

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 ≤0.5 ug per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Nakae, S., Suto, H., Iikura, M., Kakurai, M., Sedgwick, J. D., Tsai, M., Galli, S. J. (2006). Mast cells enhance T cell activation: importance of mast cell costimulatory molecules and secreted TNF.; *The Journal of Immunology*; 176(4), 2238-2248.
2. Tomihara, K., Guo, M., Shin, T., Sun, X., Ludwig, S. M., Brumlik, M. J., ... Shin, T. (2010). Antigen-specific immunity and cross-priming by epithelial ovarian carcinoma-induced CD11b+ Gr-1+ cells.; *The Journal of Immunology*; 184(11), 6151-6160.
3. Isomura, I., Shintani, Y., Yasuda, Y., Tsujimura, K., Morita, A. (2008). Induction of regulatory dendritic cells by topical application of NF-κB decoy oligodeoxynucleotides.; *Immunology letters*; 119(1-2), 49-56