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Technical Data Sheet

Anti-Human CD197 (CCR7) PE

Catalog Number :20011-60

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

Product Information

Clone: 3D12

Format/Conjugate: PE

Concentration: 5uL (0.125ug)/test

Reactivity: Human

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

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

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

Isotype: Mouse IgG1, kappa

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 3D12 monoclonal antibody specifically reacts with human CD197 (CCR7 or EBI-1), a seven-transmembrane G-protein-coupled. It is the receptor for the secondary lymphoid-tissue chemokine (SLC or 6CKine), CCL19, and CCL21. CD197 is expressed on subsets of B and T cells, and mature dendritic cells. The monoclonal 3D12 antibody recognizes the N-terminus of the receptor.

We recommend that this antibody be incubated for at least 45 minutes at 4°C for optimal staining.

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. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

References

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2. Yoshida, R., Nagira, M., Imai, T., Baba, M., Takagi, S., Tabira, Y., ... Yoshie, O. (1998). EBI1-ligand chemokine (ELC) attracts a broad spectrum of lymphocytes: activated T cells strongly up-regulate CCR7 and efficiently migrate toward ELC.;International immunology,;10(7), 901-910.

3. Lee, N., Llano, M., Carretero, M., Ishitani, A., Navarro, F., López-Botet, M., Geraghty, D. E. (1998). HLA-E is a major ligand for the natural killer inhibitory receptor CD94/NKG2A.;Proceedings of the National Academy of Sciences,95(9), 5199-5204.

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