

Anti-Human CD197 (CCR7) FITC

Catalogue Number : 20011-50

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

Product Information

Clone: 3D12

Format/Conjugate: FITC

Concentration: 5 uL (0.5 ug)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

Brightness (1=dim,5=brightest): 3

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.

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

1. Sallusto, F., Lenig, D., Förster, R., Lipp, M., ; Lanzavecchia, A. (1999). Two subsets of memory T lymphocytes with distinct homing potentials and effector functions.; *Nature*,;401(6754), 708-712.
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.