

Anti-Human CD35 (CR1) APC

Catalog Number :07411-80

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

Product Information

Clone: E11

Format/Conjugate: APC

Concentration: 5 µL (0.06 µg)/test

Reactivity: Human

Laser: Red (635 -655nm)

Peak Emission: 660nm

Peak Excitation: 650nm

Filter: 660/20

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 E11 monoclonal antibody specifically binds to human CD35, a type I glycoprotein also known as Complement Receptor type 1 (CR1). It is expressed on B cells, monocytes, granulocytes, subsets of NK cells, subsets of T cells, follicular dendritic cells, and erythrocytes. CD35 is reported to inhibit T-cell proliferation and mediate phagocytosis by monocytes and granulocytes.

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. Barclay, A. N., Brown, M. H., Law, S. A. K. A., McKnight, A. J., Tomlinson, M. G., van der Merwe, P. A. (1997).;The leucocyte antigen factsbook. Academic Press.
2. Dougherty, G. J., Selvendran, Y., Murdoch, S., Palmer, D. G., Hogg, N. (1987). The human mononuclear phagocyte high-affinity Fc receptor, FcRI, defined by a monoclonal antibody, 10.1.;European journal of immunology.;17(10), 1453-1459.
3. Hogg, N., Ross, G. D., Jones, D. B., Slusarenko, M., Walport, M. J., Lachmann, P. J. (1984). Identification of an anti-monocyte monoclonal antibody that is specific for membrane complement receptor type one (CR1).;European journal of immunology.;14(3), 236-243.