

Anti-Human CD83 PE

Catalogue Number : 05911-60

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

Product Information

Clone: HB15e

Format/Conjugate: PE

Concentration: 5 ul (0.25ug)/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 HB15e monoclonal antibody specifically reacts with human CD83, a 43kDA single chain type I glycoprotein also known as HB15. A useful marker for mature human dendritic cells, it is also expressed on some activated lymphocytes. CD83's precise role has not been deduced, but it is thought to be involved in antigen presentation.

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

- Schlossman, S. F. (1995).;Leucocyte typing V: White cell differentiation antigens: Proceedings of the Fifth International Workshop and Conference, Held in Boston, USA 3-7 November, 1993. Oxford University Press.
- Zhou, L. J., Schwarting, R., Smith, H. M., Tedder, T. F. (1992). A novel cell-surface molecule expressed by human interdigitating reticulum cells, Langerhans cells, and activated lymphocytes is a new member of the Ig superfamily.;The Journal of Immunology,;149(2), 735-742.
- Zhou, L. J., Tedder, T. F. (1995). Human blood dendritic cells selectively express CD83, a member of the immunoglobulin superfamily.;The Journal of Immunology,;154(8), 3821-3835.