

Anti-Human CD1a FITC

Catalogue Number : 03111-50

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

Product Information

Clone: HI149

Format/Conjugate: FITC

Concentration: 5 uL(2.0ug)/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 HI149 monoclonal antibody specifically reacts with human CD1a, a 49kDA type I membrane glycoprotein. It is expressed on dendritic cells, Langerhans cells, and cortical thymocytes. CD1a plays a role in antigen presentation and, like MHC Class I, it non-covalently associates with Beta2-microglobulin.

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. Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989.
2. 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.
3. Hanau, D., Schmitt, D. A., Bieber, T., Schmitt, D., Cazenave, J. P. (1990). Possible mechanism of action of CD1a antigens.; Journal of investigative dermatology,;95(5), 503-505.