

Anti-Human CD19 SAFIRE Purified

Catalog Number :11211-25

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

Product Information

Clone: HIB19

Format/Conjugate: SAFIRE Purified

Concentration: 1 mg/ml

Reactivity: Human

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

Isotype: Mouse IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, pH7.2.

Storage: Product should be kept at 2-8°C.

Applications: FC

Description

The HIB19 monoclonal antibody reacts with a human 95 kDa transmembrane glycoprotein known as CD19, which is expressed by B lymphocytes during all the developmental stages, except for the terminally differentiated plasma cells. CD19 is also expressed on follicular dendritic cells, and seems to ensure the regulation of B lymphocytes proliferation. CD19, CD21, CD81, MHC class II, and Leu13 can bind together and form a complex which associates with the B cell receptor (BCR) on the surface of B lymphocytes and facilitates the signal transduction.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type.

References

1. Knapp W; (1989) Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989.
2. Schlossman, S., L. Bloumsell, et al. eds (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York
3. McMichael, A. J., Beverley, P. C. L., Cobbold, S., Crumpton, M. J., Gilks, W., Gotch, F. M., ... Waldman, H. (1987). Leukocyte typing III.; White Cell Differentiation Antigens, 733-786.