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Technical Data Sheet

Anti-Human CD20 Purified

Catalog Number :02311-20

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

Product Information

Clone: 2H7

Format/Conjugate: Purified

Concentration: 0.5 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 IgG2b, 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.

Applications: FC, IHC

Description

The 2H7 monoclonal antibody specifically reacts with human CD20, a 33-37kDA B-lymphocyte surface molecule. CD20 is an unglycosylated four-transmembrane phosphoprotein expressed by B cells in all stage of development, except the final plasma cells. It has been reported that the molecule is involved in B cell activation and has also been observed on a subset of circulating T lymphocytes.

Preparation & Storage

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

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

References

1.Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989.

2. Polyak, M. J., Deans, J. P. (2002). Alanine-170 and proline-172 are critical determinants for extracellular CD20 epitopes; heterogeneity in the fine specificity of CD20 monoclonal antibodies is defined by additional requirements imposed by both amino acid sequence and quaternary structure.;Blood,;99(9), 3256-3262.

3. 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.

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