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Technical Data Sheet

Anti-Human CD32 SAFIRE Purified

Catalog Number :04411-25

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

Product Information

Clone: 6C4

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, FA

Description

The 6C4 monoclonal antibody specifically recognizes two isoforms of human CD32, Fc gamma RIIA and Fc gamma RIIB. From alternative mRNA splicing, 6 isoforms of CD32 have been reported. CD32 is a 40 kDA polymorphic transmembrane glycoprotein expressed on monocytes, macrophages, graulocytes, B cells, and platelets. The receptor has low affinity toward IgG and is involved in immunomodulation, phagocytosis, and the inflammation response. The 6C4 antibody in a rosette blocking assay is reported to inhibit Ig binding

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

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.VELY, F., GRUEL, N., MONCUIT, J., COCHET, O., ROUARD, H., DARE, S., ... TEILLAUD, J. L. (1997). A new set of monoclonal antibodies against human FcγRII (CD32) and FcγRIII (CD16): characterization and use in various assays.;Hybridoma,;16(6), 519-528.

2. Liebert, M. A. (1997). 6C4, 2B2, 3D3.;Hybridoma,;16(6).

3. Bouhlal, H., Martinvalet, D., Teillaud, J. L., Fridman, C., Kazatchkine, M. D., Bayry, J., ... Kaveri, S. V. (2014). Natural Autoantibodies to Fcγ Receptors in Intravenous Immunoglobulins.;Journal of clinical immunology, 1-8.

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