biogems
A PeproTech Brand

Technical Data Sheet

Anti-Mouse CD20 SAFIRE Purified

Catalogue Number : 02312-25

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

Product Information

Clone: AISB12
Format/Conjugate: SAFIRE Purified
Concentration: 1 mg/mL
Reactivity: Mouse
Laser: Not Applicable
Peak Emission: Not Applicable
Peak Excitation: Not Applicable
Filter: Not Applicable
Brightness (1=dim,5=brightest): Not Applicable
Isotype: Rat IgG2a
Formulation: Phosphate-buffered aqueous solution, ph7.2.
Storage: Product should be kept at 2-8°C.
Applications: FC, FA

Description

The AISB12 monoclonal antibody specifically reacts with mouse cd20, a 32kDA B-lymphocyte surface molecule. CD20 is expressed by B cells in all stage of development, except for the initial pro-B and final plasma cells. CD20 has no natural ligands and has an important role in enabling B cells to respond optimally to T-independent antigens. The AISB12 antibody binds to the extracellular loop domain of the CD20 molecule.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. 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.Uchida, J., Hamaguchi, Y., Oliver, J. A., Ravetch, J. V., Poe, J. C., Haas, K. M., Tedder, T. F. (2004). The innate mononuclear phagocyte network depletes B lymphocytes through Fc receptor;dependent mechanisms during anti-CD20 antibody immunotherapy.;The Journal of experimental medicine,199(12), 1659-1669.

2. Uchida, J., Lee, Y., Hasegawa, M., Liang, Y., Bradney, A., Oliver, J. A., ... Tedder, T. F. (2004). Mouse CD20 expression and function.;International immunology,;16(1), 119-129.

3. Qian, J., Zheng, Y., Zheng, C., Wang, L., Qin, H., Hong, S., ... Yi, Q. (2012). Active vaccination with Dickkopf-1 induces protective and therapeutic antitumor immunity in murine multiple myeloma.;Blood,;119(1), 161-169.

email: info@bio-gems.com | domain: www.bio-gems.com | phone: 818.338.3312 | fax: 818.338.3316