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Technical Data Sheet

Anti-Mouse F4/80 Antigen Purified

Catalogue Number : 02922-20

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

Product Information

Clone: BM8.1
Format/Conjugate: Purified
Concentration: 0.5 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, 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 BM8.1 monoclonal antibody specifically binds to the Mouse125 kDa F4/80 antigen, expressed by most mature macrophages. F4/80 is a transmembrane protein used as a marker of macrophages, although it is also expressed on Kupffer and Langerhans cells. The expression of F4/80 antigen is upregulated on bone marrow cells stimulated in vitro with the macrophage colony stimulating factor. The F4/80 antigen is a requirement for the induction of CD8 T cells-mediated peripheral tolerance.

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. It is recommended that the reagent be titrated for optimal performance for each application.

References

1.Zwadlo, G., Bröcker, E. B., Von Bassewitz, D. B., Feige, U., Sorg, C. (1985). A monoclonal antibody to a differentiation antigen present on mature human macrophages and absent from monocytes.;The Journal of Immunology,;134(3), 1487-1492.

2. Leenen, P. J., de Bruijn, M. F., Voerman, J. S., Campbell, P. A., van Ewijk, W. (1994). Markers of mouse macrophage development detected by monoclonal antibodies.;Journal of immunological methods,;174(1), 5-19.

3. Schaller, E., Macfarlane, A. J., Rupec, R. A., Gordon, S., McKnight, A. J., Pfeffer, K. (2002). Inactivation of the F4/80 glycoprotein in the mouse germ line.Molecular and cellular biology,;22(22), 8035-8043.

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