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Technical Data Sheet

Anti-Mouse Ly-6G (Gr-1) SAFIRE Purified

Catalog Number :83122-25

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

Product Information

Clone: RB6-8C5

Format/Conjugate: SAFIRE Purified

Concentration: 2 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 IgG2b, kappa

Formulation: Phosphate-buffered aqueous solution, ph7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC, FA, IHC, IP

Description

The RB6-8C5 monoclonal antibody reacts with the mouse Ly-6G (also known as Gr-1). The Ly-6G protein is a myeloid differentiation antigen of 21-25 kDa, expressed in a regulated manner by the myeloid lineage in the bone marrow, where the level of antigen expression is correlated with the granulocyte maturation and differentiation. In the bone marrow, the antigen is not expressed by the erythroid cells.

From the peripheric cells, RB6-8C5 binds with monocytes, neutrophils and eosinophils.

As a marker for the mouse monocytes, macrophages and granulocytes, the RB6-8C5 antibody is usually combined with M1/70, a macrophage labeling antibody (Anti-CD11b), for phenotypic analysis.

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

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2. Hestdal, K., Ruscetti, F. W., Ihle, J. N., Jacobsen, S. E., Dubois, C. M., Kopp, W. C., ... Keller, J. R. (1991). Characterization and regulation of RB6-8C5 antigen expression on murine bone marrow cells.;The Journal of Immunology,147(1), 22-28.

3. Huang, B., Zhao, J., Shen, S., Li, H., He, K. L., Shen, G. X., ... Feng, Z. H. (2007). Listeria monocytogenes promotes tumor growth via tumor cell toll-like receptor 2 signaling.;Cancer Research,;67(9), 4346-4352.

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