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Technical Data Sheet

Anti-Human CD15 FITC

Catalog Number :07211-50

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

Product Information

Clone: HI98

Format/Conjugate: FITC

Concentration: 5 uL (0.125 ug)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

Brightness (1=dim,5=brightest): 3

Isotype: Mouse IgM, 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 and protected from prolonged exposure to light.

Applications: FC

Description

The HI98 monoclonal antibody specifically reacts with CD15, a 220 kDa carbohydrate moiety also known as SSEA-1, Lewis 3-fucosyl-N-acetyllactosamine (3-FAL). CD15 is expressed on most granulocytes and monocytes to the exclusion of lymphocytes and basophils. It is involved in cell adhesion, chemotaxis, and phagocytosis.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

References

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

2. Barclay, A. N., Brown, M. H., Law, S. A. K. A., McKnight, A. J., Tomlinson, M. G., van der Merwe, P. A. (1997).;The leucocyte antigen factsbook. Academic Press.

3. Lund-Johansen, F., Olweus, J., Horejsi, V., Skubitz, K. M., Thompson, J. S., Vilella, R., Symington, F. W. (1992). Activation of human phagocytes through carbohydrate antigens (CD15, sialyl-CD15, CDw17, and CDw65).;Journal of immunology (Baltimore, Md.: 1950),;148(10), 3221.

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