

Anti-Human CD15 Purified

Catalog Number :07211-20

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

Product Information

Clone: HI98

Format/Conjugate: Purified

Concentration: 0.5 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 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.

Applications: FC, IHC

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

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.