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Technical Data Sheet

Anti-Human CD116 FITC

Catalogue Number : 18211-50

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

Product Information

Clone: 4H1

Format/Conjugate: FITC

Concentration: 5 uL (1 ug)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

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

Isotype: Mouse IgG1, 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 4H1 monoclonal antibody specifically bind to human CD116, a 70-85 kD alpha chain of the GM-CSF receptor. It forms the high affinity GM-CSF receptor with CD131 as the beta chain. CD116 is expressed on macrophages, monocytes, eosinophils, dendritic cells, fibroblasts, neutrophils, and some tumor cells.

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

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2. Lopez, A. F., Vadas, M. A., Woodcock, J. M., Milton, S. E., Lewis, A., Elliott, M. J., ... ; Park, L. S. (1991). Interleukin-5, interleukin-3, and granulocyte-macrophage colony-stimulating factor cross-compete for binding to cell surface receptors on human eosinophils.;Journal of Biological Chemistry,;266(36), 24741-24747.

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