



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti CD66b, 100kDa

Catalog No.
MD-14-0818

Isotype
IgG₁

Source
Ascites

Description

Monoclonal Antibody to CD66b 100kD

Preparation

Host Animal: Mouse. Hybridization of MOPC 315-43 myeloma cells with spleen cells from BALB/c mice.
Immunogen: Human leukocytes from individuals with CML
Purification: Protein A chromatography

Specificity

Recognizes the CD66b antigen, which is also known as CGM6, a carcinoembryonic antigen (CEA) gene member. Defines a mature or late antigen on peripheral polymorphic or polynuclear cells. Reacts strongly with granulocytes and metamyelocytes, weakly with bone marrow myelocytes and myelocytes. Does not react significantly with peripheral blood monocytes and T cells and not with lymphoid cell lines. Reacts with CML cells in chronic phase. MD-14-0818 monoclonal antibody has been assigned to the CD66b cluster of differentiation at the Fifth International Workshop on Human Leucocyte Differentiation Antigens in Boston, USA, in 1993. The molecular weight of the recognized antigen is 95-110kDa.

Formulation

Format: Purified, Lyophilized
Reconstitution: Reconstitute with 1ml distilled water.
Concentration: 0.2mg/ml (prior to lyophilization)
Affinity Constant: Not determined
Buffer: Lyophilized from PBS containing 1mg/ml BSA
Preservatives: None

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Suitable for use in flow cytometry (2ug/5x10⁵ cells /test), differentiation marker of cells of myeloid lineage and positive selection of normal myeloid cells. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage

Store lyophilized product at 2–8°C. After reconstitution, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles. The addition of 0.1% (w/v) sodium azide is recommended for storage of the reconstituted form for up to one month at 2–8°C.

References

1. Mannoni P., et. al., (1982) “Monoclonal antibodies against human granulocytes and myeloid differentiation”, Human Immunology, **5**, 309–323.
2. Keith, M., Skubitz, et. al., (1995) “CD66 and CD67 cluster workshop report”, Leucocyte Typing V, White Cell Differentiation Antigens. Schlossman S., et al., Eds., Oxford University Press, 889-899

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