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CERTIFICATE OF ANALYSIS

Important Note: **Centrifuge before opening to ensure complete recovery of vial contents.**

Catalog #: H42114M **Lot #:** 1F16221

Description: MAb to Beta 2-Microglobulin
Monoclonal Antibody to Beta 2-Microglobulin

Specificity: Specific for human Beta 2-microglobulin (MW 12 kDa). Does not react with Beta 2-microglobulin from other species. Recognizes the HLA-Beta 2-microglobulin complex, free or associated with the membrane. The exact epitope for the antibody has not been mapped.

Host Animal: Mouse. Hybridization of NS1/Ag4.1 myeloma cells with spleen cells from Balb/c mice. **Isotype:** IgG_{2a}

Immunogen: Purified human Beta 2-microglobulin.

Format: Purified, Lyophilized
Reconstitute with 1 mL distilled water.

Concentration: 0.2 mg/mL (prior to lyophilization).

Affinity Constant: Not Determined

Buffer: Lyophilized from Phosphate Buffered Saline, containing 1 mg/mL BSA.

Preservative: None

Applications: Purification of HLA antigens associated with Beta 2-microglobulin.
Fluorescence microscopy or flow cytometry**:** 10 µL/5x10^5 cells/test.
Immunohistochemistry**:** Working dilution: 1:25 - 1:50 (suitable on frozen sections or cell smears).
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: The reference listed below is for research purposes only:
Liabeuf A., et al., (1981), "An antigenic determinant of human Beta 2-microglobulin masked by the association with HLA heavy chains at the cell surface: analysis using monoclonal antibodies", J. Immunol., **127**; 1542-1548.

Safety Notes (s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Quality Signature: Brianca Gale 15 JUN 2021

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY