



Mouse Anti-Human Beta 2 Microglobulin Monoclonal Antibody Datasheet

Product Name: mAb anti-Human Beta 2 Microglobulin

Clone No.: D3A2

Catalogue No.: MO-M40021F

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human beta 2 microglobulin (B2MG)

Purification: Protein G affinity purified

Product Type: Primary antibody-**Detection** antibody in matched antibody pair

Target Protein: Human beta 2 microglobulin (B2MG)

Immunogen: Highly purified beta 2 microglobulin from human urine

Fusion Myeloma: Sp2/0-Ag14

Species Reactivity: Human, others not tested

Host / Isotype: Mouse, IgG1 Kappa

Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2

Reconstitution: Double distilled water is recommended to adjust the antibody.

Storage: Store at -20°C

Research Area: Renal disease, plasma cell cancer

Background: Human beta 2 microglobulin (B2MG) is a component of major histocompatibility complex 1 (MHC1). It is abundant at the surface of lymphocytes and exists at the surface of all cell types except red cells. B2MG is normally filtered out of blood

through glomeruli, but the process is impaired in patients with renal diseases. Elevated B2MG levels are implicated with lymphoma, multiple myeloma, renal diseases, viral infections and auto-immune conditions.

Applications:

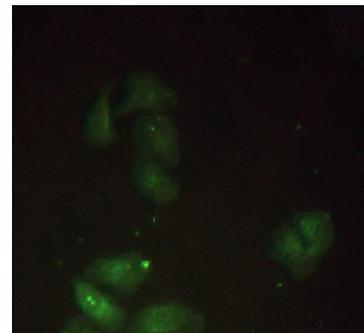
ELISA: The antibody can detect human B2MG in Sandwich ELISA in combination with capture antibody, anti-B2MG mAb D2E9 (Cat No. MO-M40021A).

Western Blot:



Detect recombinant human B2MG antigen (100ng/lane) using anti-human B2MG mAb D3A2 at 1µg/mL concentration.

Immuno-fluorescence staining:



Staining of methanol-fixed HeLa cells by

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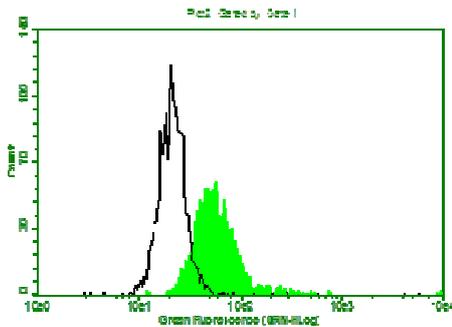


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Immunocytochemistry: Mouse anti-Human beta 2 Microglobulin monoclonal antibody (D3A2) 1:50 (20ug/mL).

Fluorescence Flow Cytometry:



Above is the histogram of HeLa cells stained with anti-Human B2MG mAb D3A2 and fluorescence labelled secondary antibody. Black line represents histogram of HeLa cells stained with isotype control, anti-TB 38Kd antigen mAb B12F8 (MO-I40021D).

References:

If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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