



ANOGEN - A Division of YES Biotech Laboratories Ltd.

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Mouse Anti-Human Beta 2 Microglobulin Monoclonal Antibody Datasheet

Product Name: mAb anti-Human Beta 2 Microglobulin

Clone No.: D2A10

Catalogue No.: MO-M40021E

Quantity: 0.5 mg/vial

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

Purification: Protein G affinity purified

Product Type: Primary antibody

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 reconstitute the antibody.

Storage: Store at -20°C

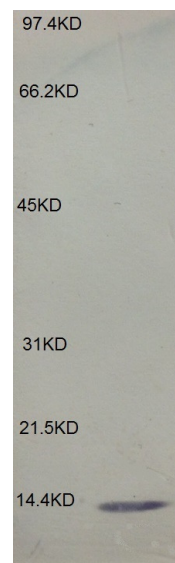
Research Area: Renal disease, plasma cell cancer

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 level is implicated with lymphoma, multiple myeloma, renal diseases, viral infections and auto-immune conditions.

Applications: **ELISA:** The antibody reacts with human B2MG.

Western Blot:



Detect 100ng recombinant human B2MG antigen (right lane) using anti-human B2MG mAb D2A10 at 1µg/mL dilution.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

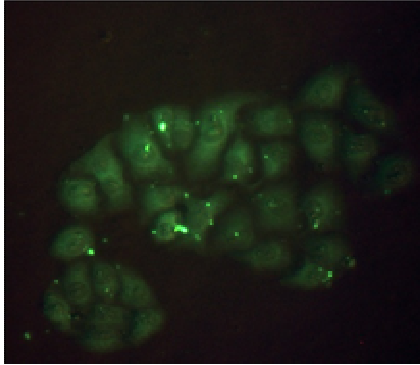
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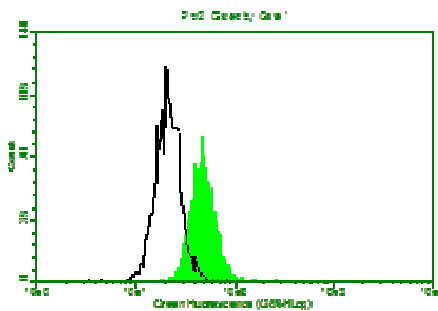
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Immuno-fluorescence staining:



Staining of methanol-fixed HeLa cells:
Mouse anti-Human beta 2
Microglobulin monoclonal antibody
(D2A10) 1:50 (20ug/mL).

Fluorescence flow cytometry:



Above is the histogram of Mouse anti-Human beta 2 Micro Globulin monoclonal antibody (D2A10) 1:100 (10ug/mL) staining of HeLa cells. Black line histogram represents the isotype control, Mouse anti-TB 38Kd antigen monoclonal antibody (MO-I40021D, B12F8).

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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