



ANOGEN - A Division of YES Biotech Laboratories Ltd.

2355 Derry Road East, Unit 23, Mississauga, ON, Canada L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

Mouse Anti-Human Beta 2 Microglobulin Monoclonal Antibody Datasheet

Product Name: mAb anti-Human Beta 2 Microglobulin

Clone No.: D6E4

Catalogue No.: MO-M40021B

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

Immunogen: Recombinant human beta 2 microglobulin

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 final concentration to 1.00mg/mL.

Storage Condition: Store at -20°C

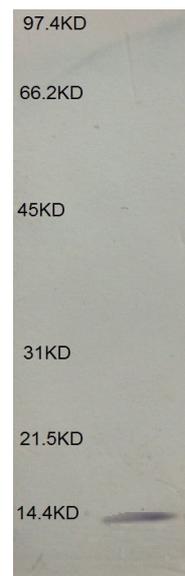
Research Area: Renal disease, plasma cell cancer

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 and platelets. 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:

Western Blot:



Above figure shows detection of 500ng recombinant human B2MG antigen (right lane) using anti-human B2MG mAb D6E4 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.

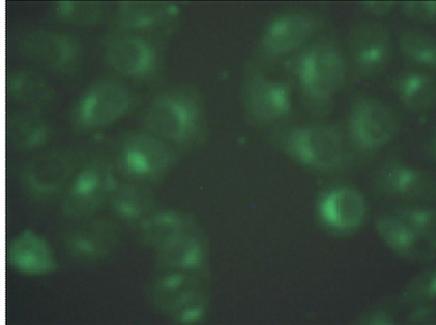
Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd.



ANOGEN - A Division of YES Biotech Laboratories Ltd.

2355 Derry Road East, Unit 23, Mississauga, ON, Canada L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

Immuno-fluorescence staining:



Methanol-fixed HeLa cells stained with 20µg/mL mouse anti-B2MG mAb clone D6E4 and fluorescence labelled secondary antibody.

ELISA: Reacts with human B2MG.

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.

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

Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd.