



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

HRP Conjugated Mouse Anti-Human Beta 2 Microglobulin Monoclonal Antibody Datasheet

Product Name: HRP conjugated mAb anti-Human Beta 2 Microglobulin **Clone No.:** D3A2

Catalogue No.: MO-M40021T **Quantity:** 0.2 mL/vial

Description: Horseradish peroxidase (HRP) conjugated mouse monoclonal antibody to human beta 2 microglobulin (B2MG)

Purification: Protein G affinity purified

Product Type: **Tracer** antibody in matched antibody pair, HRP conjugated.

Target Protein: Human beta 2 microglobulin

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

Storage Buffer Formulation: Mixture of 50% glycerol and 50% PH7.2

0.01M PBS. Final PH = 7.0 ± 0.1.

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:** In combination with capture antibody, anti-B2MG mAb D2E9 (Cat No. MO-M40021C), the HRP conjugated antibody can be used as tracer antibody to detect human B2MG in sandwich ELISA applications.

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 administrated to human and animals for use in diagnostic and therapeutic procedures.

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