



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rat Anti-Human beta-2 Microglobulin

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03628

Target Species
Human

Isotype
IgG2b

Preparation

Ig fraction prepared by ammonium sulphate precipitation

Immunogen: Human lymphocytes

Fusion Partners: Spleen cells from immunised DA rat were fused with cells of the Y3/Ag.1.2.3 myeloma cell line.

Specificity

DS-MB-03628 recognises native beta 2 microglobulin which is a component of MHC class I molecules, which are present on all nucleated cells. Levels of beta 2 microglobulin can be used to assess renal function in kidney transplant recipients. Also known as B2M, it has been suggested that this protein can be used as a prognostic marker for HIV infection.

DS-MB-03628 has been reported to be weakly lytic in the presence of complement.

Formulation

Product Type: Monoclonal Antibody

Product Form: Ig fraction - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations: Total protein concentration 2.0 mg/ml

Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry	•			Neat
Western Blotting			•	
Elisa			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Secondary Antibody Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5,000-1:10,000

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

References

1. Bindon C.I., Hale G. & Waldmann H. (1988) Importance of antigen specificity for complement-mediated lysis by monoclonal antibodies. *Eur. J. Immunol.* 18: 1507-1514.

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