



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human beta-2 Microglobulin

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00111

Target Species
Human

Isotype
IgG2a

Preparation

Ig fraction prepared from ascites by ammonium sulphate and caprylic acid precipitation

Immunogen: Beta-2 microglobulin from human urine

Specificity

This product 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.

Species Cross Reactivity: Does not react with Mouse, Dog, Rabbit, Chicken, Bovine

Formulation

Product Type: Monoclonal Antibody

Product Form: Ig fraction - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations: Ig concentration 1.0mg/ml

Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry	•			
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

<div>Options</div> <div>Functions</div>	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.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. 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. Hilgert, I. *et al.* (1984) The Use of Murine Monoclonal Antibody B2M-01 for Detection and Purification of Human beta 2- microglobulin. *Folia Biologica (Praha)* 30: 369-376.

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