



## 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-00112

**Species**  
Human

**Isotype**  
IgG2b

### Preparation

- **Preparation:** Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
- **Immunogen:** Soluble beta 2 microglobulin
- **Fusion Partners:** Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3.NS1 Ag4.1 myeloma cell line.

### Formulation

- **Product Type:** Monoclonal Antibody
- **Product Form:** Purified IgG - liquid
- **Buffer Solution:** Phosphate buffered saline
- **Approx. Protein Concentration:** IgG concentration 1.0 mg/ml
- **Preservative & Stabilizers:** 0.09% Sodium Azide

### Specificity

- DS-MB-00112 recognizes human beta 2 microglobulin, binding to a determinant available only when the chain is separated from the HLA heavy chain (the hidden determinant).

### 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 shipment.

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



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### Applications

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA	•			
Western Blotting			•	
Immunohistology Frozen			•	
Immunohistology - paraffin			•	
Immunohistology - resin			•	
Flow Cytometry			•	
Immunofluorescence			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

### Secondary Antibody Applications

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

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