



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Mouse Anti Pig Endothelial Cells

### With HRP-Conjugated Second Antibody

**Catalog No.**  
DS-MB-01205

**Target Species**  
Pig

**Isotype**  
IgE

### Preparation

**Immunogen:** Plastic adherent porcine peripheral blood lymphocytes

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Tissue Culture Supernatant - liquid

**Buffer Solution:** Phosphate buffered saline

**Preservative Stabilizers:** 0.09% Sodium Azide

### Specificity

DS-MB-01205 recognizes an antigen expressed by most endothelial cells in the pig. Expression is strongest upon intestinal endothelial cells, and staining is also seen upon endothelial cells in the lung, colon, trachea, thymus, lymph nodes, kidney and skin.

In blood vessels DS-MB-01205 stains venous endothelial cells but not arterial endothelial cells. Full details of such expression are reported in reference (1).

### Applications

**Table Summary of antibody applications and working conditions**

| Options / Functions | YES | NO | Not determined | Recommended Work dilution or concentration |
|---------------------|-----|----|----------------|--|
| ELISA               |     |    | .              |  |
| Western Blot        |     |    | .              |  |
| IHC - Frozen        | .   |    |                | 1:100 - 1:500                              |

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

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



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### Secondary Antibody Applications

| Options<br>Functions                 | YES | NO | Not determined | Recommended<br>Work dilution or<br>concentration |
|--------------------------------------|-----|----|----------------|--|
| Immunoassay (ELISA,<br>Western blot) | •   |    |                | 1:5000-1:10000                                   |

### 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. Wilson, A. D. *et al.* (1996) Expression of major histocompatibility complex class II antigens, on normal porcine intestinal endothelium. *Immunology* 88: 98-103.

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