



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Mouse Anti Pig CD31:APC

**Catalog No.**  
DS-MB-03494

**Target Species**  
Pig

**Isotype**  
IgG1

### Preparation

**Immunogen:** Porcine CD31/human IgGFc fusion protein

**Preparation:** Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG conjugated to Allophycocyanin (APC) – lyophilized

**Reconstitution:** Reconstitute with 1ml distilled water

**Buffer:** Phosphate buffered saline pH7.4

**Preservative Stabilizers:** 0.09% Sodium Azide, 1% Bovine Serum Albumin

**Approx. Protein Concentration:** IgG concentration 0.1 mg/ml

### Specificity

DS-MB-03494 recognizes porcine CD31, a 140kD cell surface protein also called PECAM-1, expressed by various cell types, but particularly by endothelial cells.

This antibody has been shown to stimulate tyrosine phosphorylation of CD31 on endothelial cells.

### Storage

Prior to reconstitution store at +4°C. After reconstitution store at +4°C.

DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. 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

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

<b>Options Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA			•	
Western Blotting			•	
IHC – Paraffin			•	
IHC - Frozen			•	
Flow Cytometry (1)	•			Neat - 1/10
Hemagglutination			•	

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

(1) Use 10ul of the suggested working dilution to label 100ul of lysed whole blood or 10<sup>6</sup> cells in 100ul.

## Secondary Antibody Applications

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

## References

1. Evans, P.C. *et al.* (2001) Signaling through CD31 protects endothelial cells from apoptosis. Transplantation. 71 (3): 343 - 4.

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