



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

### Mouse Anti E-Cadherin

**Catalog No.**  
MD-14-0052

**Isotype**  
IgG<sub>1</sub>

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IgG<sub>1</sub>

#### **Preparation**

**Host Animal:** Mouse; Hybridization of SP2/0 myeloma cells with spleen cells from Balb/c mice.  
**Source:** Ascites  
**Immunogen:** Human breast carcinoma cell line T47D  
**Purification:** Protein A chromatography

#### **Specificity**

E-Cadherin (also called cell CAM 120/180 or L-CAM) is a 123kDa molecule of the cadherin family which mediates Ca<sup>2+</sup> dependent homotypic adhesion between epithelial cells. (1,2). Recognizes E-cadherin expressed on non-neuronal epithelial cells

#### **Formulation**

**Format:** Purified, Lyophilized.  
Reconstitute with 1ml of distilled water.  
**Concentration:** Not applicable  
**Affinity Constant:** Not determined.  
**Buffer:** Lyophilized from PBS with 1mg/ml BSA  
**Preservative:** None

#### **Storage**

Store lyophilized product at 2-8°C. After reconstitution, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles. The addition of 0.1% (w/v) sodium azide is recommended for storage of the reconstituted product for up to one month at 2-8°C.

**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			.	
Immunohistochemistry	.			
Immunoprecipitation	.			
Flow Cytometry			.	
Immunofluorescence staining			.	

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

### References

1. Nagafuchi, A., et al., (1987), "Transformation of cell adhesion properties by exogenously introduced E-cadherin cDNA", *Nature*, 329, 341-342.
2. Geiger, B., et al., (1992), "Cadherins", *Annu. Rev. Cell Biol.*, 8, 307-332.

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