

Monoclonal Antibody E-cadherin

PN IM1763 – Purified – Freeze-dried – 0.2 mg – Clone 67A4

For Research Use Only. Not for use in diagnostic procedures.

SPECIFICITY

E-cadherin (also called cell CAM 120/180 or L-CAM) is a 123 kDa molecule of the cadherin family which mediates Ca²⁺ dependent homotypic adhesion between epithelial cells (1, 2).

The 67A4 monoclonal antibody recognizes E-cadherin expressed on non-neuronal epithelial cells.

REAGENT

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Clone	67A4
Isotype	IgG1
Immunogen	Human thoracic duct lymphocytes (TDL)
Hybridoma	Myeloma SP2/0 x Balb/c
Species	Mouse
Source	ascites fluid
Purification	Protein A affinity chromatography

REAGENT CONTENTS

1 mg/ml bovine serum albumin in phosphate-buffered saline.

STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.

2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Avoid microbial contamination of reagent or erroneous results may occur.
5. Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY

This reagent is stable up to the expiration date on the vial label when stored at 2 – 8°C. The reconstituted form may be stored at – 20°C until the expiration date. Aliquotting is suggested to avoid multiple freeze-thaw cycles. The addition of sodium azide at 0.1% (w/v) is recommended for storage of the reconstituted form for up to one month at 2 – 8°C. Minimize exposure to light and warmth.

REAGENT PREPARATION

Reconstitute with 1 mL of distilled water. No preservative has been added.

APPLICATIONS

Immunohistochemistry: only on frozen sections.
Immunoprecipitation

For each application, it is recommended to establish the right

range of antibody dilutions to be used for the experiment.

SELECTED RESEARCH REFERENCES

1. Nagafuchi, A., Shirayoshi, Y., Okazaki, K., Yasuda, K., Takeichi, M., "Transformation of cell adhesion properties by exogenously introduced E-cadherin cDNA", 1987, Nature, 329, 341-342.
2. Geiger, B., Ayalon, O., "Cadherins", 1992, Annu. Rev. Cell Biol., 8, 307-332.

PRODUCT AVAILABILITY

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For additional information in the USA, call 800-526-7694. Outside the USA, contact your local Beckman Coulter representative.
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