

Datasheet: MCA6135

BATCH NUMBER 170007

Description:	MOUSE ANTI HUMAN CD324
Specificity:	CD324
Other names:	E-Cadherin
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	67A4
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/10 - 1/20
Immunohistology - Frozen	▪			1/125 - 1/250
Immunoprecipitation	▪			
Western Blotting	▪			
Immunocytochemistry	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	T-47D cells
External Database Links	<p>UniProt: P12830 Related reagents</p> <p>Entrez Gene: 999 CDH1 Related reagents</p>
Synonyms	CDHE, UVO
Specificity	<p>Mouse anti Human CD324, clone 67A4 recognizes CD324 also known as E-Cadherin, a transmembrane glycoprotein which mediates calcium dependant cell adhesion and cell junction formation.</p> <p>The extracellular domain mediates a Ca²⁺ dependant homophillic interaction with a cadherin molecule on the surface of a neighboring cell. This leads to the formation of tight junctions which assist in blocking the movement of cells and facilitating cell-cell interactions (Gloushankova et al. 2017).</p> <p>The cytoplasmic domain is able to interact with catenins which link the CD324 to the actin cytoskeleton which help mediate downstream signaling events growth inhibitory signals to prevent uncontrolled tissue growth during embryonic development, tissue regeneration, wound healing. Loss of CD324 expression has been associated with tumor progression and metastasis. It is thought that metastasis is more likely to occur due to the loss of a maintained stable physical link between tumor cells (Mendonso et al. 2018).</p> <p>This clone 67A4 has been used in immunocytochemistry experiments to examine the localization of CD324 on medullary epithelial cells (Kutleša et al. 2002).</p>
Purity	>95% by SDS PAGE
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6135 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
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