

Datasheet: MCA2997Z

Description:	MOUSE ANTI HUMAN CD324:Preservative Free
Specificity:	CD324
Other names:	E-CADHERIN
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	3F4
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
Immunohistology - Paraffin (1)	▪			0.1 - 10 ug/ml

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.

(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Partial recombinant protein with GST tag corresponding to amino acids 381-481 of human CD324.

External Database Links

UniProt:
[P12830](#) [Related reagents](#)

Entrez Gene:[999](#) CDH1 [Related reagents](#)

Synonyms CDHE, UVO

Fusion Partners Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.

Specificity **Mouse anti Human CD324 antibody, clone 3F4** recognizes human cadherin-1, also known as CD324, e-cadherin, CAM 120/80, Epithelial cadherin or Uvomorulin. CD324 is a 728 amino acid active protein with an additional 22 residue signal peptide and 122 amino acid propeptide region with a combined predicted molecular mass of ~97.5 kDa. CD324 is a single pass type I transmembrane glycoprotein acting as a calcium dependent adhesion molecule.

Mutations in the CDH1 gene are associated with susceptibility to a range of cancers including breast, gastric, endometrial and ovarian cancer ([Risinger et al. 1994](#)).

Storage Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. 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 despatch.

Health And Safety Information Material Safety Datasheet Documentation #10162 available at: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight@800](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@549](#),
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Human Anti Mouse IgG1 (HCA036...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)

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