

Datasheet: VMA00193

Description:	MOUSE ANTI CD326
Specificity:	CD326
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI2G1
Isotype:	IgG1
Quantity:	100 µl

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
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from ascites.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Recombinant protein expressed in <i>E.coli</i> corresponding to amino acids 24-265 of human CD326
External Database	UniProt:

Links[P16422](#) [Related reagents](#)**Entrez Gene:**[4072](#) EPCAM [Related reagents](#)**Synonyms**

GA733-2, M1S2, M4S1, MIC18, TACSTD1, TROP1

Specificity

Mouse anti Human CD326 antibody recognizes CD326 also known as epithelial cell adhesion molecule (EpCAM), adenocarcinoma-associated antigen, cell surface glycoprotein Trop-1, epithelial glycoprotein 314, human epithelial glycoprotein-2, major gastrointestinal tumor-associated protein GA733-2, membrane component, chromosome 4, surface marker (35kD glycoprotein) and tumor-associated calcium signal transducer 1.

Encoded by the EPCAM gene, CD326 is a carcinoma-associated antigen and a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in EPCAM result in congenital tufting enteropathy (provided by RefSeq, Dec 2008).

Mouse anti Human CD326 antibody detects a band of 40 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti CD326 detects a band of approximately 40 kDa in HEK293 cell lysates.

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee

12 months from date of despatch

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information

Material Safety Datasheet documentation #10048 available at:
Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

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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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