

Datasheet: VMA00193KT

Description:	CD326 ANTIBODY WITH CONTROL LYSATE
Specificity:	CD326
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI2G1
Isotype:	IgG1
Quantity:	2 Westerns

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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	20µl 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.

Instructions For Use

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Lysate Composition

400µg HEK293 lysate lyophilized in RIPA buffer.

Lysate Reconstitution

- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.

- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.

Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

Storage

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

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

Guarantee

As supplied, 12 months from date of despatch.

Acknowledgements

PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information

Material Safety Datasheet documentation #10048 #10561 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 \(MCA928\)](#)

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