

Datasheet: VMA00092

Description:	MOUSE ANTI DESMOGLEIN 2
Specificity:	DESMOGLEIN 2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	10D2
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
Immunofluorescence	▪			

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 IgG1 - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein A from tissue culture supernatant.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃).
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant fusion protein fragment consisting of amino acids 37-164 of desmoglein 2 which consists of the entire extracellular domain and a portion of the proregion.

External Database Links	UniProt: Q14126 Related reagents
	Entrez Gene: 1829 DSG2 Related reagents
Synonyms	CDHF5
Specificity	<p>Mouse anti Human desmoglein 2 recognizes desmoglein 2, a member of the desmoglein family. Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Currently, four desmoglein subfamily members have been identified and all are members of the cadherin cell adhesion molecule superfamily.</p> <p>Desmoglein 2 is a membrane glycoprotein with four highly conserved extracellular domains (EC1 - 4) and six cytoplasmic desmoglein repeat sequences. It has a predicted molecular weight of 122 kDa and an apparent molecular weight of 150 kDa, due to post translational modification. Desmoglein 2 is a core component of the desmosome cell-cell junction between cells. This protein has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus vulgaris and mutations in the gene have been associated with arrhythmogenic right ventricular dysplasia.</p> <p>Mouse anti Human desmoglein 2 antibody is specific for the EC1 domain of desmoglein 2 (Keim et al., 2008) and has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti desmoglein 2 antibody detects a band of approximately 150 kDa in HeLa cell lysates.
References	1. Keim, S.A. <i>et al.</i> (2008) Generation and characterization of monoclonal antibodies against the proregion of human desmoglein-2. Hybridoma (Larchmt). 27 (4): 249-58.
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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00092 Antibody (10040)
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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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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