

Datasheet: VMA00267

Description:	MOUSE ANTI CYTOKERATIN 5
Specificity:	CYTOKERATIN 5
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OT11C7
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

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	Mouse monoclonal antibody purified by affinity chromatography from ascites
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	Synthetic peptide (EQGTKTVRQN LEPLFEQYIN NLRRQ) corresponding to a conserved region of human cytokeratin 5
External Database Links	<p>UniProt: P13647 Related reagents</p> <p>Entrez Gene: 3852 KRT5 Related reagents</p>
Specificity	Mouse anti Human cytokeratin 5 antibody recognizes the keratin, type II cytoskeletal 5, also

known as 58 kDa cytokeratin, CK-5, cytokeratin-5, epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types, keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types), keratin, type II cytoskeletal 5 and type-II keratin Kb5.

The protein encoded by KRT5 gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13 (provided by RefSeq, Jul 2008).

Mouse anti Human cytokeratin 5 antibody detects a band of 62 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti cytokeratin 5 detects a band of approximately 62 kDa in A431 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.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	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 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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