

Datasheet: VMA00012

Description:	HUMAN ANTI CYTOKERATIN 14
Specificity:	CYTOKERATIN 14
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	HuCAL Fab bivalent
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	A bivalent human recombinant Fab selected from the HuCAL® GOLD phage display library, expressed in <i>E. coli</i> . This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This product is supplied as a liquid.
Preparation	Recombinant human monoclonal antibody purified by metal chelate affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Recombinant human cytokерatin 14
External Database Links	UniProt: P02533 Related reagents Entrez Gene: 3861 KRT14 Related reagents
Specificity	Human anti Human cytokерatin 14 antibody recognizes human cytokерatin 14 (CK14), a 472 amino acid, acidic type I intermediate filament. The intermediate filaments are expressed as

heterodimers in epithelial tissues. CK14 is expressed in the basal compartment of all stratified squamous epithelia and is co-expressed with cytokeratin 5 (CK5).

Mutations in the cytokeratin 5 (KRT5) and cytokeratin 14 (KRT14) genes have been identified in patients with the skin disorder epidermolysis bullosa simplex ([Coulombe *et al.* 1991](#)) and in other epidermal conditions including Naegeli-Franceschetti-Jadassohn syndrome and dermatopathia pigmentosa reticularis ([Lugassy *et al.* 2006](#)).

Human anti Human cytokeratin 14 antibody recognizes human cytokeratin 14 as a band of ~52 kDa in HeLa cell lysates by western blotting under reducing conditions.

Western Blotting	Anti cytokeratin 14 antibody detects a band of approximately 52 kDa in HeLa 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	Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany. PrecisionAb™ is a trademark of Bio-Rad Laboratories. His-tag is a registered trademark of EMD Biosciences.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)

Goat Anti Human IgG F(ab')₂ (STAR126...) [HRP](#)

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