

## Datasheet: VMA00012

<b>Description:</b>	HUMAN ANTI CYTOKERATIN 14
<b>Specificity:</b>	CYTOKERATIN 14
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	HuCAL Fab bivalent
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	A bivalent human recombinant Fab selected from the HuCAL <sup>®</sup> 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.
<b>Preparation</b>	Recombinant human monoclonal antibody purified by metal chelate affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	Recombinant human cytokeratin 14
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P02533</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3861</a>   KRT14   <a href="#">Related reagents</a></p>
<b>Specificity</b>	<b>Human anti Human cytokeratin 14 antibody</b> recognizes human cytokeratin 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.

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<b>Western Blotting</b>	Anti cytokeratin 14 antibody detects a band of approximately 52 kDa in HeLa cell lysates.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	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.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: Antibody (10040): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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

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