

Datasheet: VMA00011

**BATCH NUMBER 080714**

<b>Description:</b>	HUMAN ANTI CYTOKERATIN 18/19
<b>Specificity:</b>	CYTOKERATIN 18/19
<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.

### Target Species

Human

### Product Form

A bivalent human recombinant Fab selected from the HuCAL<sup>®</sup> GOLD phage display library, expressed in *E. coli*. 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<sub>3</sub>)

### Immunogen

Recombinant human cytokeratin 18

**External Database  
Links**

**UniProt:**

[P05783](#)    [Related reagents](#)  
[P08727](#)    [Related reagents](#)

**Entrez Gene:**

[3875](#)    KRT18    [Related reagents](#)  
[3880](#)    KRT19    [Related reagents](#)

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**Synonyms**

CYK18

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**Specificity**

**Human anti Human cytokeratin 18/19 antibody** recognizes human cytokeratin 18, a amino acid type I intermediate filament protein expressed by epithelial cells. The intermediate filaments are expressed as heterodimers in epithelial tissues. Cytokeratin 18 (CK18) is often co-expressed with cytokeratin 8 (CK8). The CK18/CK8 heterodimer is the major cytokeratin pair found in simple epithelia such as that found in the liver, intestine and breast ducts. CK18 plays an important role in maintaining epithelial cell integrity.

This clone has also been demonstrated to cross-react with cytokeratin 19. Human anti Human cytokeratin 18/19 antibody recognizes cytokeratin 18 as a band of ~48 kDa and cytokeratin 19 as a band of ~44 kDa in western blotting under reducing conditions.

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**Western Blotting**

Anti cytokeratin 18/19 antibody detects bands of approximately 44 kDa in HeLa cell lysates.

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**Storage**

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

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**Guarantee**

12 months from date of despatch

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**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.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00011>  
Antibody (10040)

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**Regulatory**

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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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