

Datasheet: VMA00011

BATCH NUMBER 080714

Description:	HUMAN ANTI CYTOKERATIN 18/19
Specificity:	CYTOKERATIN 18/19
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

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® 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 cytokeratin 18

**External Database
Links**

UniProt:

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

Entrez Gene:

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

Synonyms

CYK18

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.

Western Blotting

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

Storage

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

Guarantee

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:
<https://www.bio-rad-antibodies.com/SDS/VMA00011>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Human IgG F(ab')₂ (STAR126...) [HRP](#)
Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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