

## Datasheet: VMA00314

|                      |                           |
|----------------------|---------------------------|
| <b>Description:</b>  | MOUSE ANTI CYTOKERATIN 18 |
| <b>Specificity:</b>  | CYTOKERATIN 18            |
| <b>Format:</b>       | Purified                  |
| <b>Product Type:</b> | PrecisionAb Monoclonal    |
| <b>Isotype:</b>      | IgG2b                     |
| <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>             | Purified IgG - liquid   |
| <b>Preparation</b>              | Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites.                    |
| <b>Buffer Solution</b>          | Phosphate buffered saline.  |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Immunogen</b>                | Recombinant protein corresponding to amino acid 391-483 of human cytokeratin 18 expressed in <i>E. coli</i> |
| <b>External Database Links</b>  | <b>UniProt:</b><br><a href="#">P05783</a> <a href="#">Related reagents</a>                                  |

**Entrez Gene:**[3875](#) KRT18 [Related reagents](#)

|                                      |   |
|--------------------------------------|---|
| <b>Synonyms</b>                      | CYK18   |
| <b>Specificity</b>                   | <p><b>Mouse anti Human cytokeratin 18 antibody</b> recognizes cytokeratin-18, also known as keratin, type I cytoskeletal 18, CK-18, cell proliferation-inducing gene 46 protein, cell proliferation-inducing protein 46, keratin, type I cytoskeletal 18 and keratin-18.</p> <p>Encoded by the KRT18 gene cytokeratin 18, together with its filament partner cytokeratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in KRT18 have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for KRT18 (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human cytokeratin 18 antibody detects a band of 46 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| <b>Western Blotting</b>              | Anti cytokeratin 18 detects a band of approximately 46 kDa in MCF7 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>              | PrecisionAb is a trademark of Bio-Rad Laboratories.   |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00314">https://www.bio-rad-antibodies.com/SDS/VMA00314</a><br>Antibody (10040)  |
| <b>Regulatory</b>                    | For research purposes only.   |

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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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://www.bio-rad-antibodies.com/datasheets)

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