# Datasheet: VMA00002K

| | |
|---|---|
| **Description:** | CYTOKERATIN 19 ANTIBODY WITH CONTROL LYSATE |
| **Specificity:** | CYTOKERATIN 19 |
| **Format:** | Purified |
| **Product Type:** | PrecisionAb™ Monoclonal |
| **Isotype:** | IgG2a |
| **Quantity:** | 10 Westerns |

## 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**

Purified IgG - liquid

**Preparation**

100µl Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide ($NaN_3$)

**Immunogen**

Human breast cancer cell line MCF7

**External Database Links**

**UniProt:**
P08727 Related reagents

**Entrez Gene:**
3880 KRT19 Related reagents

**Specificity**

**Mouse anti Human cytokeratin 19 antibody** recognizes the rod domain (aa 312-335) of human cytokeratin 19 also known as keratin 19 and encoded by the KRT19 gene. Cytokeratin 19 is a 400 amino acid intermediate filament protein lacking a C-terminal tail domain, in contrast

to all other intermediate filament proteins.

Cytokeratin expression is observed in striated muscle where it is involved in forming the association between the contractile apparatus and dystrophin (Stone *et al.* 2005). Expression is also seen in many ductal and glandular cells together with a restricted set of normal and neoplastic epithelial cells.

Mouse anti Human cytokeratin 19 antibody detects a band of ~44kDa in Western blotting using multiple human cell-line lysates.

| | |
|---|---|
| **Western Blotting** | Anti Cytokeratin 19 antibody detects a band of approximately 44 kDa in MCF7 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. |
| **Lysate Composition** | 400µg MCF7 lysate lyophilized in RIPA buffer. |
| **Lysate Reconstitution** | - If using DDT reconstitute the lyophilized lysate with 190µl DI $H_2O$, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.<br>- If using BME reconstitute the lyophilized lysate with 180µl DI $H_2O$, add 200µl 2x Laemmli Sample Buffer and 20µl BME.<br>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol. |
| **Storage** | Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.<br><br>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage. |
| **Shelf Life** | As supplied, 12 months from date of despatch. |
| **Acknowledgements** | PrecisionAb™ is a trademark of Bio-Rad Laboratories. |
| **Health And Safety Information** | Material Safety Datasheet Documentation #10040 for antibody available at https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf<br>Lysate Material Safety Datasheet Documentation #10561 available at https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf |
| **Regulatory** | For research purposes only |

# Related Products

## Recommended Secondary Antibodies

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


| | | | | | |
|---|---|---|---|---|---|
| **North & South America** | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: antibody_sales_us@bio-rad.com | **Worldwide** | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: antibody_sales_uk@bio-rad.com | **Europe** | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: antibody_sales_de@bio-rad.com |


'M284050:160321'

**Printed on 26 May 2017**

© 2017 Bio-Rad Laboratories Inc | Legal | Imprint