

Datasheet: VMA00451

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| Description: | HUMAN ANTI CYTOKERATIN 20 |
| Specificity: | CYTOKERATIN 20 |
| 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 |

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.

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| Target Species | Human |
| Product Form | A bivalent human recombinant Fab selected from the HuCAL® phage display library, expressed in <i>E. coli</i> . This Fab fragment is bivalent by dimerization of the bacterial alkaline phosphatase fusion protein. The antibody is tagged with a DYKDDDDK tag and a HIS-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied as a liquid. |
| Preparation | Human recombinant monoclonal antibody purified by StrepTactin affinity chromatography from <i>E. coli</i> extracts |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Immunogen | Recombinant human cytokeratin 20 |
| External Database Links | <p>UniProt: P35900 Related reagents</p> <p>Entrez Gene: 54474 KRT20 Related reagents</p> |
| Specificity | Human anti Human cytokeratin 20 antibody recognizes cytokeratin 20, also known as KRT20, |

keratin, type I cytoskeletal 20 and keratin-20, protein IT.

The protein encoded by the KRT20 gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This cytokeratin is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21 (provided by RefSeq, Jul 2008).

Human anti Human cytokeratin 20 antibody detects a band of 44 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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| Western Blotting | Anti cytokeratin 20 detects a band of approximately 44 kDa in MCF7 cell lysates |
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| 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. |
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| Storage | Store undiluted at -20°C, avoiding repeated freeze thaw cycles. |
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| Shelf Life | As supplied, 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: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf |
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|-------------------|----------------------------|
| Regulatory | For research purposes only |
|-------------------|----------------------------|

Related Products

Recommended Secondary Antibodies

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

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