Datasheet: VMA00451

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

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® phage display library, expressed in *E. coli.* 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 *E. coli* extracts.

Source

E.coli

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN_3).

Immunogen

Recombinant human cytokeratin 20

External Database Links	**UniProt:** P35900 Related reagents **Entrez Gene:** 54474 KRT20 Related reagents
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.
Western Blotting	Anti cytokeratin 20 detects a band of approximately 44 kDa in MCF7 cell lysates.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the protein. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch.
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories. This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details. 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/VMA00451 Antibody (10040)
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

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

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

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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