

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.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃).

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

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His-tag is a registered trademark of EMD Biosciences.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

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

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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

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