

Datasheet: VMA00444

BATCH NUMBER 171743

Description:	HUMAN ANTI CYTOKERATIN 18
Specificity:	CYTOKERATIN 18
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AbD25791
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. Learn about [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 (BAP) fusion protein. The BAP enzymatic activity is silenced by mutation. 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

0.09% Sodium Azide (NaN₃).

Stabilisers

Approx. Protein Concentrations Antibody concentration 0.5 mg/ml.

Immunogen Cytokeratin 18

External Database Links

UniProt:

[P05783](#) [Related reagents](#)

Entrez Gene:

[3875](#) KRT18 [Related reagents](#)

Synonyms CYK18

Specificity

Human anti Human cytokeratin 18 antibody recognizes cytokeratin 18, also known as K18, CK-18, cell proliferation-inducing gene 46 protein, cell proliferation-inducing protein 46, keratin type I cytoskeletal 18 or simply keratin-18.

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).

Human anti Human cytokeratin 18 antibody detects a band of 46 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti cytokeratin 18 detects a band of approximately 46 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: <https://www.bio-rad-antibodies.com/SDS/VMA00444>

Related Products

Recommended Secondary Antibodies

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M443539:250709'

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