

Datasheet: VMA00008

BATCH NUMBER 080714

Description:	HUMAN ANTI VIMENTIN
Specificity:	VIMENTIN
Other names:	VIM
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AbD2701
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
Immunohistology - Frozen	▪			
Immunohistology - Paraffin (1)	▪			1/25 - 1/50
ELISA	▪			
Immunoprecipitation	▪			
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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form	A bivalent human recombinant Fab selected from the HuCAL [®] GOLD phage display library, expressed in <i>E. coli</i> . This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This product is supplied as a liquid.
Preparation	Recombinant human monoclonal antibody purified by metal chelate affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	F(ab) concentration 0.5 mg/ml
Immunogen	Formalin fixed, paraffin-embedded human lymphoma tissue
External Database Links	<p>UniProt: P08670 Related reagents</p> <p>Entrez Gene: 7431 VIM Related reagents</p>
Specificity	<p>Human anti Human vimentin antibody recognizes human vimentin, a class III intermediate filament of ~ 54kDa. Vimentin is preferentially expressed in mesenchymal tissues, and within the immune system is retained throughout T-cell development, with decreasing expression in B lymphocytes with maturation.</p> <p>In lymphatic tissues vimentin expression is seen in marginal zone areas, but not in follicle centers. A lack of vimentin expression in B cell lymphoma is indicative of follicular center origin.</p> <p>Human anti Human vimentin antibody recognizes vimentin as a band of ~54 kDa in a number of human cell line lysates by western blotting under reducing conditions.</p>
Histology Positive Control Tissue	Tonsil
Western Blotting	Anti vimentin antibody detects a band of approximately 54 kDa in HEK293 cell lysates.
References	1. Jarutat, T. <i>et al.</i> (2007) Selection of vimentin-specific antibodies from the HuCAL phage display library by subtractive panning on formalin-fixed, paraffin-embedded tissue. Biol Chem. 388 (6): 651-8.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch

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.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00008>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)

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](https://www.bio-rad-antibodies.com/datasheets)

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