

## Datasheet: VMA00008

<b>Description:</b>	HUMAN ANTI VIMENTIN
<b>Specificity:</b>	VIMENTIN
<b>Other names:</b>	VIM
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AbD2701
<b>Isotype:</b>	HuCAL Fab bivalent
<b>Quantity:</b>	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](http://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 *E. coli*. 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.

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<b>Preparation</b>	Recombinant human monoclonal antibody purified by metal chelate affinity chromatography
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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
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<b>Approx. Protein Concentrations</b>	F(ab) concentration 0.5 mg/ml
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<b>Immunogen</b>	Formalin fixed, paraffin-embedded human lymphoma tissue
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P08670</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">7431</a> VIM <a href="#">Related reagents</a>
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<b>Specificity</b>	<p><b>Human anti Human vimentin antibody</b> 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>
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<b>Histology Positive Control Tissue</b>	Tonsil
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<b>Western Blotting</b>	Anti vimentin antibody detects a band of approximately 54 kDa in HEK293 cell lysates.
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<b>References</b>	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. <a href="#">Biol Chem. 388 (6): 651-8.</a>
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<b>Storage</b>	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.
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Avoid repeated freezing and thawing as this may denature the protein. Storage in frost-free freezers is not recommended.

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**Guarantee** 12 months from date of despatch

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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

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## Related Products

### Recommended Secondary Antibodies

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

Goat Anti Human IgG F(ab')<sub>2</sub> (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](http://bio-rad-antibodies.com/datasheets)  
'M396893:220615'

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