

Datasheet: HCA032

Description:	HUMAN ANTI HUMAN VIMENTIN
Specificity:	VIMENTIN
Other names:	VIM
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD02701
Isotype:	HuCAL Fab bivalent
Quantity:	0.1 mg

Product Details

RRID AB_844566

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)	▪			1/5 - 1/10
ELISA	▪			
Immunoprecipitation	▪			
Western Blotting	▪			1/10 - 1/50

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(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

Product Form A lyophilized bivalent human recombinant Fab (lambda light chain) selected from the HuCAL® GOLD phage display library. Expressed in *E. coli* and purified using NiNTA affinity chromatography. 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 anti-body heavy chain.

Reconstitution Reconstitute with 1.0 ml distilled water

Preparation Metal chelate affinity chromatography

Buffer Solution Phosphate buffered saline

Preservative Stabilisers None present

Approx. Protein Concentrations	Antibody concentration 0.1 mg/ml following reconstitution
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, clone AbD02701 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, clone AbD02701 has been extensively characterized, and compared to an existing mouse monoclonal antibody specific for vimentin and demonstrates both an expression pattern in IHC that corresponds to Mouse anti Human Vimentin, clone VIM 3B4 and detects an identical band in western blotting.</p>
Histology Positive Control Tissue	Tonsil
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 at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted.
Guarantee	6 months from date of reconstitution
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. His-tag is a registered trademark of EMD Biosciences.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Licensed Use	For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.
Regulatory	For research purposes only
Technical Advice	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual

Related Products

Recommended Secondary Antibodies

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

Goat Anti Human IgG F(ab')₂ (0500-0099...) [HRP](#)

Mouse Anti Human C-MYC (MCA2200...) [HRP](#)

North & South Tel: +1 800 265 7376

America 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

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