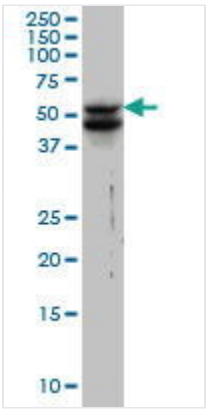
Vimentin (VIM) Antibody – Mouse Monoclonal

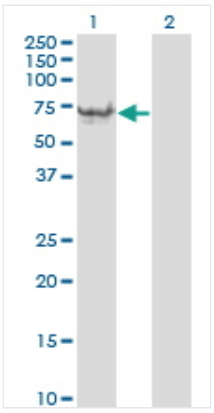
PRODUCT OVERVIEW

Product Name	Vimentin, Monoclonal Antibody
Full Product Name	Vimentin (VIM) (HRP)
Product Gene Name	anti-VIM antibody
Product Synonym Names	FLJ36605
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3E9
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human VIM.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	Partial recombinant corresponding to aa41-140 from VIM (AAH30573) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GSALRPSTSRSLYASSPGGVYATRSSAVRLRSSVPGVRLLQDSVDFSLADAINTEFKNTRTNEKVELQELNDRFANYIDKVRFLEQQNKILLAELEQLKG
Conjugate	HRP
Product Categories/Family for anti-VIM antibody	Antibodies; Extracellular Matrix Proteins
Applications Tested/Suitable for anti-VIM antibody	ELISA (EIA), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-VIM antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-VIM antibody	MBS6155746 is an antibody targeting VIM. Also known as Vimentin (VIM) (HRP). Reactive in Human. Host: Mouse.

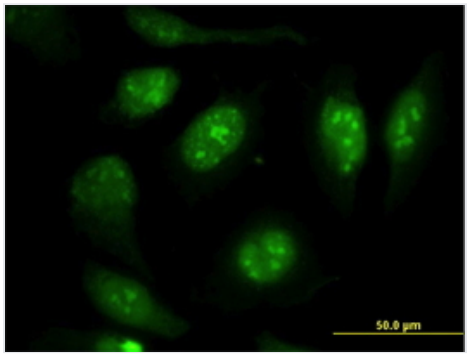
Other Notes	Small volumes of anti-VIM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



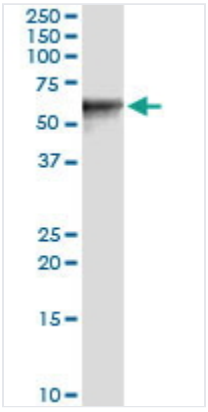
Western Blot (WB) of anti-VIM antibody
VIM monoclonal antibody, Western Blot analysis of VIM expression in HeLa.



Western Blot (WB) of anti-VIM antibody
Western Blot analysis of VIM expression in transfected 293T cell line by VIM monoclonal antibody. Lane 1: VIM transfected lysate (53.7kD). Lane 2: Non-transfected lysate.



Immunofluorescence (IF) of anti-VIM antibody
Immunofluorescence of monoclonal antibody to VIM on HeLa cell. [antibody concentration 40ug/ml]



Immunoprecipitation (IP) of anti-VIM antibody
Immunoprecipitation of VIM transfected lysate using VIM monoclonal antibody and Protein A Magnetic Bead and immunoblotted with VIM rabbit polyclonal antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VIM. It may not necessarily be applicable to this product.

NCBI GI #	33989649
NCBI GeneID	7431
NCBI Accession #	BC030573
NCBI Related Accession #	AAH30573
UniProt Related Accession #	P08670
NCBI Official Full Name	Homo sapiens vimentin, mRNA
NCBI Official Synonym Full Names	vimentin
NCBI Official Symbol	VIM
Protein Family	Vimentin
NCBI Protein Information	vimentin

NCBI Summary for VIM	This gene encodes a type III intermediate filament protein. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The encoded protein is responsible for maintaining cell shape and integrity of the cytoplasm, and stabilizing cytoskeletal interactions. This protein is involved in neuritogenesis and cholesterol transport and functions as an organizer of a number of other critical proteins involved in cell attachment, migration, and signaling. Bacterial and viral pathogens have been shown to attach to this protein on the host cell surface. Mutations in this gene are associated with congenital cataracts in human patients. [provided by RefSeq, Aug 2017]
Research Articles on VIM	**1.** High vimentin Expression in Tumor Microenvironment is associated with Pancreatic Ductal Adenocarcinoma.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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