

Mouse Vimentin Monoclonal Antibody | anti-VIM antibody

Vimentin (Mesenchymal Cell Marker)

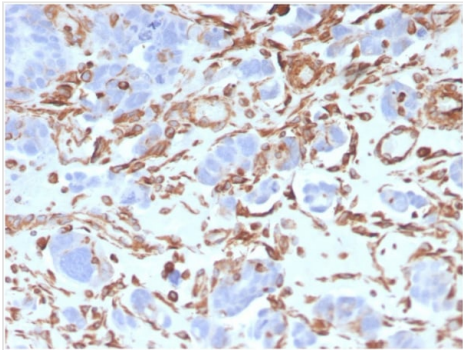
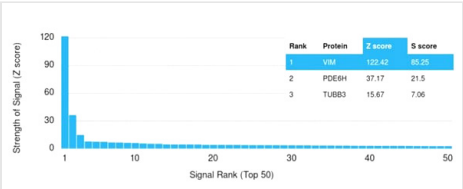
CATALOG # AAA215255	HOST Mouse	REACTIVITY HumanDoes not react with Mouse or Rat.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Vimentin; Monoclonal Antibody; Vimentin (Mesenchymal Cell Marker); VIM; anti-VIM antibody

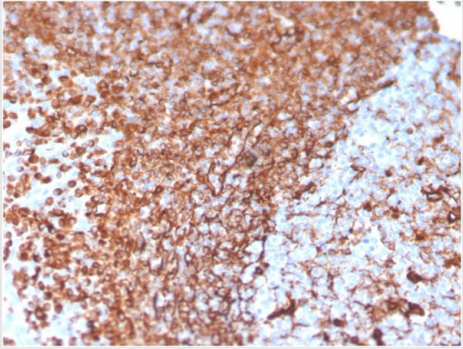
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Does not react with Mouse or Rat.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	VIM/3736
Specificity	This MAb reacts with a 58kDa protein identified as vimentin. It shows no cross-reaction with other closely related intermediate filament proteins (IFP s) such as desmin, keratin, neurofilament, and glial fibrillary acid protein. Anti-vimentin alone is of limited value as a tool; however, when used in panels with other antibodies, it is useful for the sub-classification of a given tumor. Expression of vimentin, when used in conjunction with anti-keratin, is helpful when distinguishing melanomas from undifferentiated carcinomas and large cell lymphomas. All melanomas and Schwannomas react strongly with anti-vimentin. It labels a variety of mesenchymal cells, including melanocytes, lymphocytes, endothelial cells, and fibroblasts. Non-reactivity of anti-vimentin is often considered more useful than its positive reactivity, since there are a few tumors that do not contain vimentin, e.g. hepatoma and seminoma. Anti-vimentin is also useful as a tissue process control reagent.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	466
Applicable Applications for anti-VIM antibody	IHC (Immunohistochemistry)
Positive Control	U87, A375, Raji, HEP2 cells. Sarcomas or Melanomas.
Immunogen	A recombinant fragment (around aa 2-466) of human Vimentin protein (exact sequence is proprietary)
Cellular Localization	Cytoplasmic
Hu-chromosome Location	10p12.33
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Vimentin Mouse Monoclonal Antibody (VIM/3736).

Application Data
Analysis of Protein Array containing more than 21,000 full-length human proteins using Vimentin Mouse Monoclonal Antibody (VIM/3736) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to be specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Vimentin Mouse Monoclonal Antibody (VIM/3736).

ADDITIONAL INFORMATION

References	Osborn M et. al. European Journal of Cell Biology. 1984; 34:137-143
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62414289
NCBI GeneID	7431
NCBI Accession #	NP_003371.2
NCBI GenBank Nucleotide #	NP_003371.2
UniProt Accession #	P08670
Molecular Weight	57-60kDa
NCBI Official Full Name	vimentin
NCBI Official Synonym Full Names	vimentin
NCBI Official Symbol	VIM
NCBI Protein Information	vimentin
UniProt Protein Name	Vimentin

UniProt Gene Name	VIM
UniProt Entry Name	VIME_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/vimentin-antibody-clone-vim-3736-immunohistochemistry-elisa/215255>