

Product datasheet for **TA389037**

Vimentin (VIM) Mouse Monoclonal Antibody [Clone ID: LN6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	LN6
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Cell nuclei preparation from adult human thymus.
Specificity:	Specific for the ~50 kDa Vimentin protein.
Formulation:	100 µl in PBS
Concentration:	lot specific
Purification:	Protein L Purified
Conjugation:	Unconjugated
Storage:	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage) upon arrival and stored long term at -20° C or -80° C, while keeping a working aliquot stored at 4° C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	50
Gene Name:	vimentin
Database Link:	Entrez Gene 7431 Human P08670



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Background:

Vimentin is the major protein subunit of the 10 nm or intermediate filaments (IFs) found in many kinds of mesenchymal and epithelial cells as well as developing neuronal and astrocytic precursor cells in the CNS. Vimentin is thought to be critically involved in lymphocyte adhesion and transmigration (Nieminen M et al. 2006). Copolymers are frequently formed between vimentin and other IFs, such as GFAP (in many kinds of astrocytes), desmin (in muscle cells) and neurofilament proteins (in developing neurons). Antibodies to vimentin are useful in studies of stem cells and generally to reveal the filamentous cytoskeleton. Recent studies suggest that vimentin affects prostate cancer cells motility and invasiveness (Zhao et al. 2008).

Synonyms:

FLJ36605; vimentin

Note:

Protein L purified culture supernatant