

# Product Datasheet

## Vimentin Antibody (2D1) [FITC] NBP1-92687F

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-92687F**

Vimentin Antibody (2D1) [FITC]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	2D1
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Conjugate	FITC
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	53.6 kDa
Product Description	
Description	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
Host	Mouse
Gene ID	7431
Gene Symbol	VIM
Species	Human, Rat, Mouse (Negative)
Reactivity Notes	Clones 2D1 (NBP1-92687) and 2A52 (NBP1-92688) both failed to detect the target in mouse tissues although they work well on human and rat samples. This allowed us to firmly map the epitope for both antibodies to the peptide SRISLPLPNFSSLNREL, amino acids 409-425 of the human sequence. This peptide is located at the beginning of the non-helical "tail" region of the molecule and the peptide is totally conserved between human and rat and in most mammalian species, including cow, pig, horse, camel, and many monkeys. Interestingly mouse has the peptide SRISLPLPTFSSLNREL divergent by one amino acid, and neither clones bind this peptide. As a result these antibodies can be used to identify human or rat cells in mouse cultures or tissues and may work with other species that also contain this peptide.
Marker	Mesenchymal Cells Marker
Immunogen	Full length recombinant human Vimentin Antibody expressed in and purified from E. coli. [UniProt# P08670]
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot, Simple Western, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Knockout Validated



**Application Notes**

This Vimentin (2D1) antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where a band can be seen at approximately 50 kDa.

The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.





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### **Products Related to NBP1-92687F**

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NBP1-96848	Mouse IgG2a Isotype Control (M2A) [FITC]
NBP1-92687V	Vimentin Antibody (2D1) [DyLight 405]
NBP2-35139-100ug	Recombinant Human Vimentin Protein
2105-VI-100	Vimentin [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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