

Mouse anti Vimentin Antibody Clone: V9

Storage: 2-8°C

Catalog No: M21-008	1ml	<input type="checkbox"/>
M21-008s	0.2ml	<input type="checkbox"/>
M21-008U	6ml	<input type="checkbox"/>

Intended Use and Background:

Mouse anti Vimentin antibody (mouse IgG1 isotype) provides a qualitative determination of the vimentin in formalin-fixed paraffin-embedded human tissue section. Vimentin is one of the five major types of intermediate filaments (IFs) with a molecular weight of ~58 kD. Clone V9 reacts with vimentin in fibroblasts, endothelial cell, lymphoid tissue and melanocytes. The antibody will stain tumor cells derived from these cells including sarcomas, lymphomas, melanomas and their metastatic lesions. However, the antibody does not recognize any other intermediate filaments, including desmin and glial fibrillary acidic protein.

Kit Components:

Mouse anti-Vimentin Antibody is from mouse ascites fluid and preserved in PBS buffer containing BSA and 0.1% sodium azide.

Clone: V9
Isotype: IgG₁
Immunogen: Porcine lens
Reacts with: Human, rat, pig, and chicken.

Catalog No.	Format	Size
M21-008	Concentrate	1 ml
M21-008s	Concentrate	0.2ml
M21-008U	Ready-to-use	6ml

Positive Control Tissue: Tongue, small intestine, colon

Staining pattern: Cytoplasmic

Pretreatment required: Not required

Recommended Protocol:

Application tested: ELISA, IHC (FFPE). Working dilution for formalin-fixed paraffin-embedded human tissue section is from 1:50-200 depending on the detection system used. Optimal dilution needs to be determined by the investigator.

Manual staining procedure:

1. Deparaffinize slides
2. Submerge slides in peroxidase quenching solution for 10 minutes and rinse with PBS 3 times, 2 minutes each.
3. Apply serum blocking solution (optional if use polymer detection system)
4. Apply primary antibody and incubate for 30-60 minutes at room temperature and rinse with PBS 3 times, 2 minutes each.
5. Apply secondary antibody conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
6. Apply enzyme conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
7. Apply chromogen and incubate 5-10 minutes and rinse with PBS.

Precaution:

Wear gloves and take other necessary laboratory safety procedure.

Storage: Store at 2-8°C.

Remarks: For research use only. Not for diagnostic or therapeutic use.