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# Vimentin (AB1237) mouse mAb

**W0408**

## Key Features

**Host Species**
- Mouse

**Reactivity**
- Human; Mouse; Rat;

**Applications**
- IHC; WB; IF; ELISA

**MW**
- 53 kDa (calculated)
- 54 kDa (observed)

**Isotype**
- IgG2b, kappa

## Recommended Dilution Ratios

| Application | Dilution |
|---|---|
| IHC; WB; IF; ELISA | IHC, 1:200-1:1000 \| WB, 1:500-1:2000 \| IF, 1:100-1:500 \| ELISA, Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. |

## Storage

| | |
|---|---|
| **Storage Conditions** | Store at-20℃. Avoid freeze / thaw cycles. |
| **Storage buffer** | The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300. |

## Basic Information

| | |
|---|---|
| **Clonality** | Monoclonal |
| **Clone Number** | AB1237 |
| **Immunogen** | A synthetic peptide corresponding to the amino acid region 400 - 466 of the human Vimentin protein. |
| **Specificity** | The antibody can specifically recognize human Vimentin protein. In western blotting of HEK293 cell lysate, the antibody can label a 54 kDa band corresponding to Vimentin. |
| **Purification** | Affinity purification Protein A |
| **Concentration** | Product concentration may vary by batch. Please refer to the product COA for details. |

## Target Information

| | |
|---|---|
| **Gene name** | VIM |
| **Protein Name** | Vimentin |

**Database Link**

| Organism | Swiss Prot. | Gene ID |
|---|---|---|
| Human | P08670 | 7431 |

**Background**

**Vimentin is the most common member of intermediate filament protein family. It is a main component of cytoskeleton structure. Its main function is to maintain cell integrity and skeleton stability. It is expressed in mesenchymal cells and mesoderm derived cells. Vimentin is a relatively specific marker of mesenchymal cells and their derived tumors.**