

## Product datasheet for **AM00158PU-N**

### Vimentin (VIM) (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 11H6]

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | 11H6  |
| Applications:           | WB  |
| Recommended Dilution:   | <b>Western Blot:</b> 0.5 µg/ml for HRPO/ECL detection.<br><i>Recommended blocking buffer:</i> Casein/Tween 20 based blocking and blot incubation buffer.<br><i>Included Positive Control:</i> Cell lysate from Untreated HeLa cells (See Protocols for more details). |
| Reactivity:             | Canine, Human, Mouse  |
| Host:                   | Mouse   |
| Isotype:                | IgG   |
| Clonality:              | Monoclonal  |
| Immunogen:              | Synthetic peptide conjugated to hemocyanin.<br><b>Epitope:</b> N-terminus.  |
| Specificity:            | This antibody specifically recognizes Vimentin at 54 kDa in Western-blot applications.  |
| Formulation:            | 1ml 2 x PBS containing 0.09% Sodium Azide/PEG and Sucrose.<br>State: Purified<br>State: Lyophilized purified IgG fraction.  |
| Reconstitution Method:  | Restore with 1 ml H <sub>2</sub> O (15 min, RT).  |
| Purification:           | Subsequent Ultrafiltration and Size Exclusion Chromatography.   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze in liquid nitrogen) at -80°C.<br>Avoid repeated freezing and thawing.<br>Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.                   |
| Stability:              | Shelf life: one year from despatch.   |
| Predicted Protein Size: | 54 kDa  |
| Gene Name:              | vimentin  |
| Database Link:          | <a href="#">Entrez Gene 7431 Human P08670</a>   |



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**Background:** Vimentin is a major subunit protein of intermediate filaments found in mesenchymal cells. Vimentin is expressed in many tumors/tumor cell lines after epithelial to mesenchymal transition.

**Synonyms:** VIM

**Note:** Protocol: **Positive Control Provided:**  
Cell lysate from Untreated HeLa cells.  
Lyophilized cell lysate from serum starved HeLa cells.

**Format:** Lyophilized cell lysate from HeLa cells.

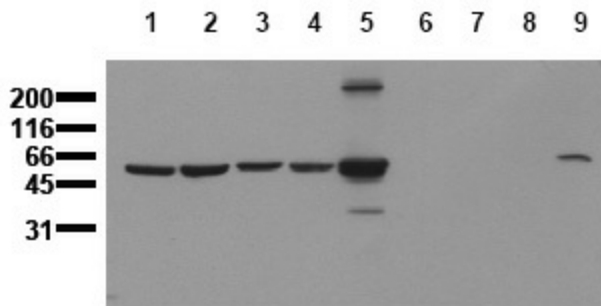
**Reconstitution:** Restore by addition of 200  $\mu$ l H<sub>2</sub>O. After complete solubilization add 200  $\mu$ l 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min.

**Storage:** Aliquote and store frozen.  
Avoid repeated freeze/thaw cycles.

**Application:** The positive control cell lysate is recommended for immunoblot applications. 20  $\mu$ l of positive control cell lysate correspond to ca. 80,000 cells. Use 20  $\mu$ l / lane (mini gel) for HRPO/ECL detection of the target proteins.

**Please note:** The lyophilized cell lysates contain SDS and are not recommended for applications with native proteins such as immunoprecipitation.

### Product images:



Detection of endogenous Vimentin: Whole cell lysates of serum starved tumor cells (20,000 cells per lane) were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab Vim-11H6 (0.5  $\mu$ g/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec). lane 1: HeLa; lane 2: HepG2; lane 3: HEK293; lane 4: SH-SY5Y; lane 5: MDCK; lane 6: PC12; lane 7: CMT 93; lane 8: Neuro 2A; lane 9: 3T3