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## 34-1128: Monoclonal Antibody to Vimentin (Clone: 2D1)

Clonality: Monoclonal

Clone Name: 2D1 WB Application: Reactivity: Human Gene: VIM Gene ID: 7431 **Uniprot ID:** P08670 **Purified** Format: Isotype: Mouse, IgG2a

Immunogen Information: Recombinant human vimentin expressed in and purified from E. coli.

## **Product Info**

**Amount :** 50 μl / 100 μl

**Content:** Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

WB: 1:10,000. IF/ICC and IHC: 1:1,000.

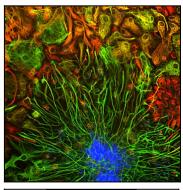


Figure-1: Immunofluorescent analysis of cortical neuron-glial cell cultures from E20 rat stained with mouse mAb to vimentin,(34-1128), dilution 1:2,000 in red, and costained with chicken pAb to glial fibrillary acidic protein (GFAP),(34-1046), dilution 1:5,000, in green. The blue is DAPI staining of nuclear DNA. Fibroblastic and other developing cells express only vimentin and appear red. Astrocytes that express GFAP only are green while those that express both GFAP and vimentin appear golden yellow.

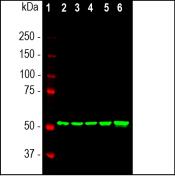


Figure-2: Western blot analysis of different cell lysates using mouse mAb to vimentin,(34-1128), dilution 1:10,000 in green: [1] protein standard (red), [2] HEK293, [3] HeLa, [4] SH-SY5Y, [5] COS-1, and [6] C6 cells. The band at about 50kDa mark corresponds to the vimentin protein.