

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

Clonality :	Monoclonal
Clone Name :	2D1
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Rat, not Mouse
Gene :	VIM
Gene ID :	7431
Uniprot ID :	P08670
Format :	Purified
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.

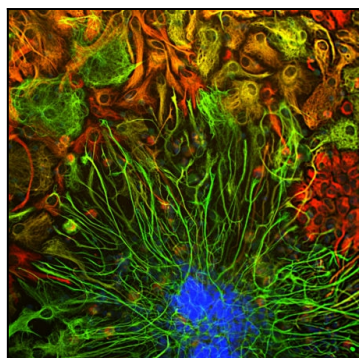


Figure-1: Immunofluorescent analysis of cortical neuron-glia cell cultures from E20 rat stained with mouse mAb to vimentin,(34-1128), dilution 1:2,000 in red, and costained with chicken pAb to glial fibrillary acidic protein (GFAP),(34-1046), dilution 1:5,000, in green. The blue is DAPI staining of nuclear 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.

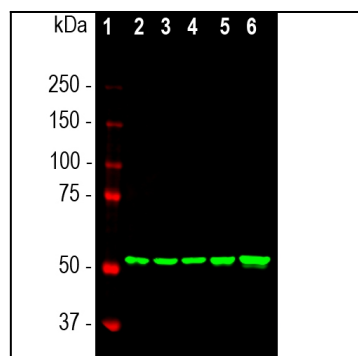


Figure-2: Western blot analysis of different cell lysates using mouse mAb to vimentin,(34-1128), dilution 1:10,000 in green: [1] protein standard (red), [2] HEK293, [3] HeLa, [4] SH-SY5Y, [5] COS-1, and [6] C6 cells. The band at about 50kDa mark corresponds to the vimentin protein.