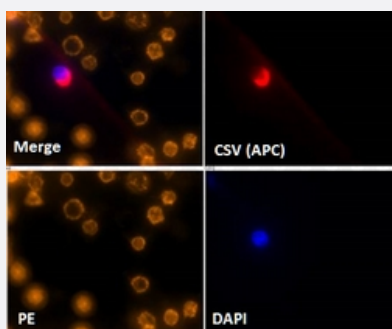


# Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1 (APC)

Catalog # H00007431-MA08

Size 50 ug

## Applications



### Immunofluorescence

Immunofluorescence staining on non-fixed, non-permeabilized PANC-1 cells using APC conjugated Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1 for CSV (red), PE conjugated anti-CD45 mAb for CD45 (orange) and DAPI for nucleus (blue).

## Specification

|                               |  |
|-------------------------------|--|
| Product Description           | APC conjugated mouse monoclonal antibody recognizes human cell-surface vimentin (CSV). |
| Immunogen                     | Human recombinant vimentin   |
| Host                          | Mouse  |
| Reactivity                    | Human  |
| Interspecies Antigen Sequence | Mouse (100); Rat (100)   |
| Form                          | Liquid   |
| Conjugation                   | APC  |
| Isotype                       | IgG2b, kappa   |
| Storage Buffer                | In 1x PBS, pH 7.4  |
| Storage Instruction           | Store at 4°C in the dark.  |

## Note

Cell-Surface Vimentin (CSV) detecting antibody is best used before cell fixation and permeabilization. If fixation is required, please use Abnova's [Special Fixative](#).

Cell-Surface Vimentin (CSV) antibody is a pending MD Anderson patent which has been exclusively licensed to Abnova Corporation.

## Applications

- Flow Cytometry

- Immunofluorescence

Immunofluorescence staining on non-fixed, non-permeabilized PANC-1 cells using APC conjugated Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1 for CSV (red), PE conjugated anti-CD45 mAb for CD45 (orange) and DAPI for nucleus (blue).

## Gene Info — VIM

Entrez GeneID [7431](#)

Gene Name VIM

Gene Alias FLJ36605

Gene Description vimentin

Omim ID [193060](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract

Other Designations OTTHUMP00000019224

## Publication Reference

- [LSD1 activation promotes inducible EMT programs and modulates the tumour microenvironment in breast cancer.](#)

Boulding T, McCuaig RD, Tan A, Hardy K, Wu F, Dunn J, Kalimutho M, Sutton CR, Forwood JK, Bert AG, Goodall GJ, Malik L, Yip D, Dahlstrom JE, Zafar A, Khanna KK, Rao S.

Scientific Reports 2018 Jan; 8(1):73.

Application: IF, Human, MCF-7, MCF-7/PMA+ TGF- $\beta$ , MDA-MB-231 cells

- [Cell-surface Vimentin: A mislocalized protein for isolating csVimentin\(+\) CD133\(-\) novel stem-like hepatocellular carcinoma cells expressing EMT markers.](#)

Mitra A, Satelli A, Xia X, Cutrera J, Mishra L, Li S.

International Journal of Cancer 2015 Jul; 137(2):491.

Application: Flow Cyt, Mouse, Liver tumor

- [Epithelial-mesenchymal transitioned circulating tumor cells capture for detecting tumor progression.](#)

Satelli A, Mitra A, Brownlee Z, Xia X, Bellister S, Overman MJ, Kopetz S, Ellis LM, Meng QH, Li S.

Clinical Cancer Research 2015 Feb; 21(4):899.

Application: Flow Cyt, IF, Microbeads, Spiking assay, Human, Mouse, Cancers (breast, bladder, colorectal, liver), cancer cell lines (breast, liver, colon, brain, bladder, pancreas), normal cell lines (HEK-293, NCM-356, MCF-10A) cell lines

- [Circulating tumor cell enumeration with a combination of epithelial cell adhesion molecule- and cell-surface vimentin-based methods for monitoring breast cancer therapeutic response.](#)

Satelli A, Brownlee Z, Mitra A, Meng QH, Li S.

Clinical Chemistry 2015 Jan; 61(1):259.

Application: IF-CTC, Microbeads, Human, Circulating tumor cells

- [Specific detection tool for mesenchymal and epithelial-mesenchymal transformed circulating tumor cells.](#)

Arun Satelli, Shulin Li.

IFI CLAIMS Patent Services 2014 Sep; WO2014138183A1.

Application: Detection, Human, Mouse, Cancer cell lines (breast, liver, colon, brain, bone, bladder, pancreas)

- [Universal marker and detection tool for human sarcoma circulating tumor cells.](#)

Satelli A, Mitra A, Cutrera JJ, Devarie M, Xia X, Ingram DR, Dibra D, Somaiah N, Torres KE, Ravi V, Ludwig JA, Kleinerman ES, Li S.

Cancer Research 2014 Mar; 74(6):1645.

Application: Flow Cyt, IF, IF-CTC, Microbeads, Spiking assay, Human, Mouse, Circulating tumor cells, HUVCE, HFOB, PBMC, LM7, RH41, SKNEB-2 cells

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)