

bsm-33170M**[Primary Antibody]****VIM | Vimentin Mouse mAb****Bioss**
ANTIBODIES

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DATASHEET**Host:** Mouse**Clonality:** Monoclonal**GeneID:** 7431**Target:** VIM | Vimentin**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml

Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS (pH7.4).
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.[provided by RefSeq, Jun 2009]

Isotype: IgG**CloneNo.:** 3B7**SWISS:** P08670

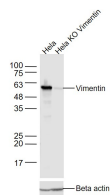
Applications: **WB** (1:1000-10000)
IHC-P (1:200-1000)
IHC-F (1:200-1000)
IF (1:200-1000)
Flow-Cyt (1ug/Test)
ICC/IF (1:100-500)

Reactivity: Human

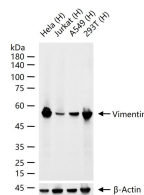
Predicted
MW.: 53 kDa

Observed
MW.: 53 kDa

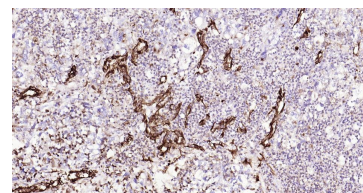
Subcellular
Location: Cytoplasm

VALIDATION IMAGES

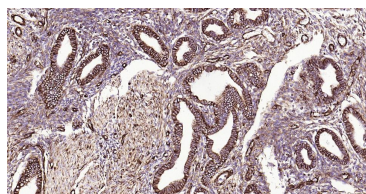
Sample: HeLa(Human) Cell Lysate at 30 ug
HeLa KO Vimentin (Human) Cell Lysate at 30 ug
Primary: Anti- Vimentin (bsm-33170M) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-
Mouse IgG at 1/20000 dilution Predicted band
size: 53 kD Observed band size: 53 kD



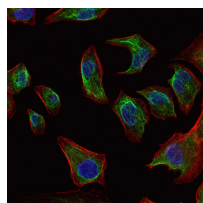
25 ug total protein per lane of various lysates
(see on figure) probed with Vimentin
monoclonal antibody, unconjugated
(bsm-33170M) at 1:1000 dilution and 4°C
overnight incubation. Followed by conjugated
secondary antibody incubation at r.t. for 60 min.



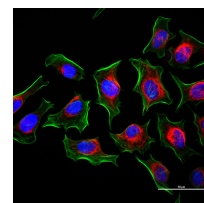
Paraformaldehyde-fixed, paraffin embedded
Uterine body cancer; Antigen retrieval by boiling
in sodium citrate buffer (pH6.0) for 15 min;
Antibody incubation with Vimentin Monoclonal
Antibody, Unconjugated(bsm-33170M) at 1:200
overnight at 4°C, followed by conjugation to the
SP Kit (Mouse, sp-0024) and DAB (C-0010)
staining.



Paraformaldehyde-fixed, paraffin embedded
Human Uterus; Antigen retrieval by boiling in
sodium citrate buffer (pH6.0) for 15 min;
Antibody incubation with Vimentin Monoclonal
Antibody, Unconjugated(bsm-33170M) at 1:200
overnight at 4°C, followed by conjugation to the



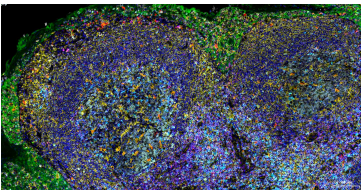
4% Paraformaldehyde-fixed A549 (H) cell; Triton
X-100 at r.t. for 20 min; Antibody incubation with
(Vimentin) monoclonal Antibody, unconjugated
(bsm-33170M) 1:100, 90 min at 37°C; followed by
BF488 conjugated Goat Anti-Mouse IgG antibody
(green, bs-60296G-BF488) at 37°C for 90 min,



4% Paraformaldehyde-fixed HeLa (H) cell; Triton
X-100 at r.t. for 20 min; Antibody incubation with
(Vimentin) monoclonal Antibody, unconjugated
(bsm-33170M) 1:100, 90 min at 37°C; followed by
BF594 conjugated Goat Anti-Mouse IgG antibody
(red, bs-60296G-BF594) at 37°C for 90 min, then

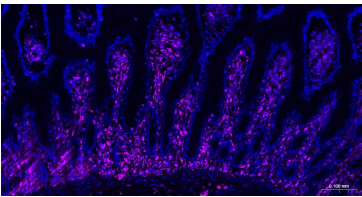
Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SP Kit (Mouse, sp-0024) and DAB (C-0010) staining.



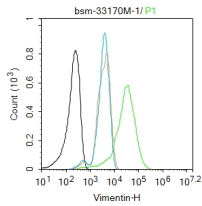
Paraformaldehyde-fixed, paraffin embedded Human Tonsil. Merged staining of anti-CD68 (bsm-60634R; 1:200; red) anti-CD20 (bsm-63327R; 1:200; white) anti-CD3E (bsm-60002R; 1:200; light blue) anti-CD4 (bsm-52469R; 1:200; rose red) anti-Ki67 (bsm-52455R; 1:200; bean green) anti-Vimentin (bsm-33170M; 1:200; yellow) and anti-Pan Cytokeratin (bsm-34137M; 1:150; green) DAPI (dark blue) was used as a nuclear counter stain.

then stained with Phalloidin/BF555 for 30 min at room temperature; DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Vimentin Monoclonal Antibody, Unconjugated (bsm-33170M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (rose red, bs-0296G-BF647), DAPI (blue, C02-04002) was used to stain the cell nuclei.

stained with Phalloidin/FITC for 30 min at room temperature; DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control:Hela. Primary Antibody (green line): Mouse Anti-Vimentin antibody (bsm-33170M) Dilution: 1ug/Test; Secondary Antibody : Goat anti-Mouse IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=12.4]** Jianan Zhao. et al. DNMT1 mediates the disturbed flow-induced endothelial to mesenchymal transition through disrupting β -alanine and carnosine homeostasis. THERANOSTICS. 2023; 13(13): 4392–4411 WB ;Human. 37649604
- **[IF=8.755]** Sijie Wang. et al. PFKFB4 facilitates palbociclib resistance in oestrogen receptor-positive breast cancer by enhancing stemness. CELL PROLIFERAT. 2022 Sep;;e13337 WB ;Human. 36127291
- **[IF=5.201]** Juan-Juan Zhu. et al. VAMP3 and SNAP23 as Potential Targets for Preventing the Disturbed Flow-Accelerated Thrombus Formation. Front Cell Dev Biol. 2020; 8: 576826 WB,IF,IHC ;Human. 33224946
- **[IF=5.1]** Hao Wu. et al. Allicin Aplealleviates Gouty Arthritis by Regulating the Gut-Joint Axis, Reducing XOD Activity, Inhibiting Oxidative Stress, and Suppressing NLRP3 Inflammasome Activation. DRUG DES DEV THER. 2025 Sep IF ;Rat. 40969847
- **[IF=4.5]** Ying Sun. et al. Cinobufagin inhibits M2-like tumor-associated macrophage polarization to attenuate the invasion and migration of lung cancer cells. INT J ONCOL. 2024 Nov;65(5):1-17 WB ;Human. 39301639