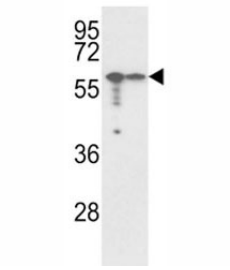
VIM Antibody for FACS / Vimentin Flow Cytometry Antibody (F48163)

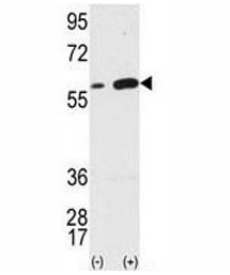
Catalog No.	Formulation	Size
F48163-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48163-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

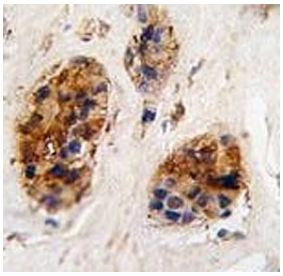
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine, Pig, Hamster
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P08670
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50 Flow Cytometry: 1:10-1:50
Limitations	This VIM antibody is available for research use only.



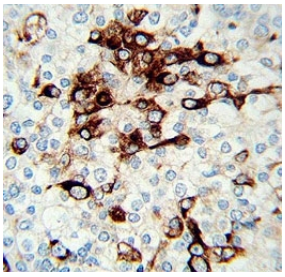
Western blot analysis of VIM antibody and A2058, A375 lysate.



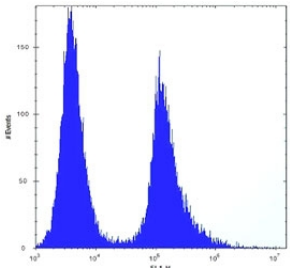
Western blot analysis of VIM antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the VIM gene (2).



IHC analysis of FFPE human breast carcinoma tissue stained with VIM antibody



VIM antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate tissue.



VIM Antibody for FACS. Flow cytometric analysis of human HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC secondary Ab was used.

Description

Vimentin (VIM) is a type III intermediate filament protein that forms a cytoplasmic structural network in mesenchymal cells, where it regulates cell shape, migration, and cytoskeletal organization. VIM Antibody for FACS is specifically designed for flow cytometry applications, enabling intracellular detection of Vimentin at the single-cell level following fixation and permeabilization. This makes it highly relevant for searches such as Vimentin flow cytometry antibody, VIM FACS antibody, and intracellular Vimentin antibody for flow cytometry. Vimentin is also referred to as Vimentin antibody, VIM antibody, and mesenchymal marker antibody in the literature, supporting strong alignment across gene, protein, and functional terminology.

Flow cytometry analysis of Vimentin requires intracellular staining conditions, as Vimentin is not a surface protein but a cytoplasmic filament. VIM Antibody for FACS enables researchers to quantify Vimentin expression across heterogeneous cell populations, making it particularly useful for identifying mesenchymal cells, profiling epithelial-mesenchymal transition, and distinguishing stromal versus epithelial compartments in mixed samples. This application is especially valuable in cancer research, where Vimentin-positive populations are often associated with invasive, migratory, or therapy-resistant phenotypes.

At the functional level, Vimentin interacts with actin filaments and microtubules to regulate cellular mechanics, adhesion,

and motility. Its dynamic reorganization through phosphorylation supports processes such as mitosis, migration, and cellular stress adaptation. These properties make Vimentin a key intracellular marker for flow cytometry studies focused on cell state transitions, immune activation, and cytoskeletal remodeling, particularly when combined with surface markers for multiparametric analysis.

The 'for FACS' differentiator is central to this antibody, clearly positioning it for flow cytometry workflows rather than tissue-based assays. A rabbit polyclonal VIM Antibody for FACS provides strong signal detection across permeabilized cells and supports population-level quantification of Vimentin / VIM expression. This makes it an effective tool for researchers performing intracellular flow cytometry, gating mesenchymal cell populations, and analyzing dynamic changes in cytoskeletal protein expression across diverse biological systems.

Explore our Protein Microarray Validated Vimentin Antibody page to learn more about vimentin biology, mesenchymal cell markers, and additional validated products.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the VIM Antibody for FACS may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 152-181 from the human protein was used as the immunogen for this VIM Antibody for FACS.

Storage

For long term storage, aliquot the VIM antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

Vimentin antibody, Vimentin flow cytometry antibody, VIM antibody, Mesenchymal marker antibody, Type III intermediate filament antibody

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