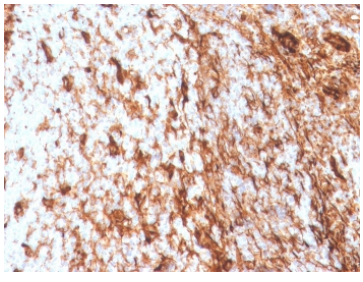
Vimentin Antibody / Cell Migration Marker Antibody [clone VIM/4388R] (V8739)

Catalog No.	Formulation	Size
V8739-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8739-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8739SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

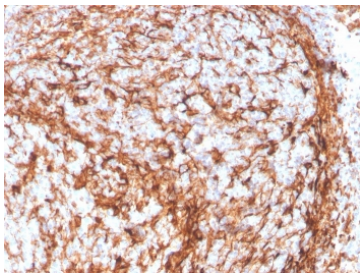
Recombinant RABBIT MONOCLONAL

Bulk quote request

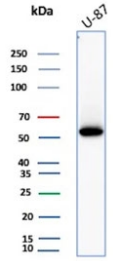
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	VIM/4388R
Purity	Protein A affinity chromatography
UniProt	P08670
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 2-4ug/ml
Limitations	This recombinant Vimentin antibody is available for research use only.



Vimentin Antibody / Cell Migration Marker Antibody IHC. Immunohistochemistry analysis of FFPE human tonsil tissue using Vimentin antibody shows strong HRP-DAB brown cytoplasmic staining in stromal and mesenchymal cell populations, with minimal staining in lymphoid cells. The rabbit monoclonal clone VIM/4388R highlights elongated, interconnected cells within the stromal compartment, consistent with cytoskeletal organization in migratory cell types. The distribution of Vimentin-positive cells within the tissue supports its role as a marker of cell migration-associated mesenchymal populations.



IHC staining of FFPE human tonsil with recombinant Vimentin antibody (clone VIM/4388R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Vimentin Antibody / Cell Migration Marker Antibody WB. Western blot analysis of human U-87 MG cell lysate using Vimentin antibody detects a band at approximately 55 kDa, consistent with the predicted molecular weight of Vimentin (VIM). The rabbit monoclonal clone VIM/4388R shows a clear, single band, supporting detection of cytoskeletal components associated with migratory mesenchymal cells. The presence of Vimentin in U-87 MG cells aligns with its role in cytoskeletal organization linked to cell movement and invasive cellular behavior.

Description

Vimentin (VIM) is a type III intermediate filament protein that is strongly associated with cellular motility and migration in mesenchymal cells. Vimentin Antibody / Cell Migration Marker Antibody is specifically positioned for studying cytoskeletal dynamics that drive cell movement, invasion, and directional migration. This Vimentin Antibody is uniquely positioned for analyzing migratory phenotypes and invasion-associated cytoskeletal reorganization in both normal and cancer cell populations, making it highly relevant for motility-focused research applications. Vimentin is also referred to as Vimentin antibody, VIM antibody, and mesenchymal marker antibody in the literature, supporting consistent terminology across research fields.

Vimentin supports migration by enabling cytoskeletal flexibility and facilitating the formation of elongated cell morphologies required for movement. It interacts with actin filaments and microtubules to regulate polarity, directional persistence, and traction force generation. The Vimentin Antibody / Cell Migration Marker Antibody enables detailed study of these mechanisms in fibroblasts, immune cells, and tumor cells exhibiting invasive behavior.

In biological systems, Vimentin expression is closely linked to cells undergoing active migration during development, wound repair, and disease progression. Its upregulation is frequently associated with increased motility and invasive potential. Vimentin enables cells to detach, migrate through extracellular environments, and establish new adhesion points during movement.

Functionally, Vimentin regulates mechanical properties that allow cells to navigate complex microenvironments and respond to extracellular signals. The Vimentin Antibody / Cell Migration Marker Antibody differentiator is central to this antibody, positioning it specifically for migration-focused research rather than adhesion, structural remodeling, or EMT-only applications. A Vimentin Antibody provides a robust tool for studying cytoskeletal coordination, directional movement, and invasion-associated cellular behavior.

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

Application Notes

Optimal dilution of the Vimentin Antibody / Cell Migration Marker Antibody should be determined by the researcher.

Immunogen

A portion of amino acids 366-466 from the human protein was used as the immunogen for the Vimentin Antibody / Cell

Migration Marker Antibody.

Storage

Store the recombinant Vimentin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

Vimentin antibody, VIM antibody, mesenchymal marker antibody, intermediate filament protein Vimentin antibody, cytoskeletal filament antibody, migration marker antibody, invasion marker antibody

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