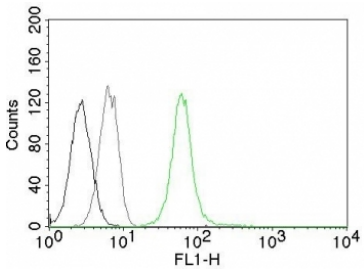
Vimentin Antibody [clone VM452] (V3935CF488)

Catalog No.	Formulation	Size
V3935CF488-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	CF488 Conjugate
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	VM452
Purity	Protein G affinity chromatography
UniProt	P08670
Applications	Flow Cytometry : 5ul per test per one 10^6 cells in 0.1ml or 5ul per 100ul of whole blood
Limitations	This Vimentin antibody is available for research use only.



Flow cytometry testing of permeabilized Jurkat cells with Vimentin antibody (clone VM452, green), cells alone (black) and isotype control (gray).

Description

This MAb reacts with a 58kDa protein identified as vimentin. It shows no cross-reaction with other closely related intermediate filament proteins (IFP's) such as desmin, keratin, neurofilament, and glial fibrillary acid protein.Anti-vimentin alone is of limited value as a diagnostic tool; however, when used in panels with other antibodies, it is useful for the sub-classification of a given tumor. Expression of vimentin, when used in conjunction with anti-keratin, is helpful when distinguishing melanomas from undifferentiated carcinomas and large cell lymphomas. All melanomas and Schwannomas react strongly with anti-vimentin. It labels a variety of mesenchymal cells, including melanocytes, lymphocytes, endothelial cells, and fibroblasts. Non-reactivity of anti-vimentin is often considered more useful than its positive reactivity, since there are a few tumors that do not contain vimentin, e.g. hepatoma and seminoma. Anti-vimentin is also useful as a tissue

process control reagent.

Application Notes

Optimal dilution of the Vimentin antibody should be determined by the researcher.

Immunogen

Recombinant protein was used as the immunogen for the Vimentin antibody.

Storage

Store the Vimentin antibody at 2-8oC, protected from light.