

# Monoclonal Anti-Vimentin Antibody

Catalog Number: MA1102

## Description

<b>Lot No.</b>	08A12
<b>Clone</b>	V9
<b>Size</b>	100µg/vial
<b>Form</b>	lyophilized
<b>Ig type</b>	mouse IgG1
<b>Specificity</b>	No cross reactivity with other proteins.
<b>Species</b>	Human, rabbit, pig, rat
<b>Immunogen</b>	Pig eye lens vimentin.
<b>Contents</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative.

## Application

	Concentration	Tested Species	Antigen Retrieval
Western blot	0.5-1µg/ml	Human, Rabbit, Pig, Rat	-
Immunohistochemistry (Paraffin-embedded Section)	1.5-2.5µg/ml	Human, Rabbit, Pig, Rat	By Heat

*Other applications have not been tested.*

*Optimal dilutions should be determined by end users.*

## Preparation and storage

**Reconstitution:** 1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

**Storage:** At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time.

Avoid repeated freezing and thawing.

## Relevant detection systems

Boster provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit EK1001 in WB, supported by SA1021 in IHC(P).

## Background

The VIM gene was one of many that Gieser and Swaroop (1992) recovered from a subtracted cDNA library for retinal pigment epithelium. Vimentin gene express in human lymphocytes and in Burkitt's lymphoma cells. Vimentin is secreted by activated macrophages. The gene encoding human vimentin is located on the short arm of chromosome 10.

## Reference

1. Lillienbaum, A.; Legagneux, V.; Portier, M.-M.; Dellagi, K.; Paulin, D. : Vimentin gene: expression in human lymphocytes and in Burkitt's lymphoma cells. EMBO J. 5: 2809-2814, 1986.
2. Mor-Vaknin, N.; Punturieri, A.; Sitwala, K.; Markovitz, D. M. : Vimentin is secreted by activated macrophages. Nature Cell Biol. 5: 59-63, 2003
3. Ferrari, S.; Cannizzaro, L. A.; Battini, R.; Huebner, K.; Baserga, R. : The gene encoding human vimentin is located on the short arm of chromosome 10. Am. J. Hum. Genet. 41: 616-626, 1987.