OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM05154PU-N

Vaccinia Virus Mouse Monoclonal Antibody [Clone ID: B408M]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B408M
Applications:	ELISA, IF
Recommended Dilution:	**ELISA.** **IFA.** **Immunohistochemisty.** **Lateral Flow.**
Reactivity:	Vaccinia virus
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Native, intact Lister strain of Vaccinia virus.
Specificity:	This antibody recognizes free Vaccinia Virus and infected cells. Specific to the A33R protein. Reactive with Lister and NYCBH strains.
Formulation:	0.01M PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction (> 90% pure) Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.

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Background:

Vaccinia virus is an Orthopoxvirus, containing double stranded DNA. Fusion protein plays an important role in the entry of enveloped virus into cells. As vaccinia virus has a wide host range, it is conceivable that certain cellular components that are ubiquitously expressed on the cell mediate virus infection. The study of the entry process, attachment, fusion and the proteins and receptors involved is complex. During vaccinia virus infection, the fusion process is attributed to the action of the 14KDa protein (A27L). The N terminus of this protein recognises heparan sulfate on the cell surface. It interacts with the negative charges of sulfates of glycosaminoglycans (GAGs).