



# Anti-Vaccinia virus Polyclonal antibody (DPAB1399)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Recognizes purified virions. Does not cross-react with Parainfluenza (1-3), RSV, Adenovirus, Influenza A&B or HSV-1. Does not react with uninfected cells. Reactive with Lister, Wyeth, New York City and MVA strains of Vaccinia.
<b>Target</b>	Vaccinia virus
<b>Immunogen</b>	Lister strain (mixture of virions and infected cell polypeptides)
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Vaccinia virus
<b>Purification</b>	IgG fraction covalently coupled with high purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.
<b>Conjugate</b>	FITC
<b>Applications</b>	Suitable for use in ELISA, direct IFA and immunohistochemistry. Proteinase K digestion is recommended with formalin-fixed paraffin-embedded sections. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Concentration</b>	4–5mg/ml (OD280nm, E0.1% = 1.4)
<b>Size</b>	1 ml
<b>Buffer</b>	0.01M PBS, pH 7.2 containing 10mg/ml BSA
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Short-term (up to 6 months) store at 2–8°C under subdued light. Long term, aliquot and store at

## BACKGROUND

### Introduction

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

### Keywords

A27L; Orthopoxvirus; Unassigned; Poxviridae; Chordopoxvirinae; Vaccinia Virus

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