

Product datasheet

Anti-Vaccinia Virus antibody ab26853

[1 Image](#)

Overview

Product name	Anti-Vaccinia Virus antibody
Description	Rabbit polyclonal to Vaccinia Virus
Host species	Rabbit
Tested applications	Suitable for: ELISA
Species reactivity	Reacts with: Vaccinia virus
Immunogen	Synthetic peptide corresponding to Vaccinia Virus (N terminal). Containing amino acids on the predicted N terminal of fusion protein (A27L) in vaccinia virus.

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab26853 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/5000.

Target

Relevance

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). Therefore, antibodies that recognize this 14KDa protein are able to neutralize vaccinia virus infection and enable identification other viral and cellular proteins which participate in the vaccinia virus entry process.

Images

Dilution	Pre-immune bleed	Purified polyclonal
100	0.272	3.276
1000	0.111	2.676
10000	0.064	1.048
100000	0.054	0.207
1000000	0.055	0.083

ELISA - Anti-Vaccinia Virus antibody (ab26853)

ELISA method:

Antigen is coated on EIA strips at 1µg per well.

Add 200µl blocking buffer then wash wells with PBST.

Antiserum or peptide specific purified antibody is diluted in series as 10²~10⁶ folds.

Incubate antibody for 1 hour.

Wash unbound antibodies and add HRP-conjugated anti-rabbit IgG.

Wash plates and add substrate to develop color for 5 minutes.

Read absorbance at 650nm. Amount of colour is directly proportional to amount of antibodies.

Antibody titer is defined as >0.1 of absorbance of antiserum minus pre-immune serum.

Titer ~ 1/437000.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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