

Product datasheet

Anti-Human Polyoma virus JCV capsid protein VP1 antibody [8E8] ab34756

★★★★☆ [2 Abreviews](#) [15 References](#) [1 Image](#)

Overview

Product name	Anti-Human Polyoma virus JCV capsid protein VP1 antibody [8E8]
Description	Mouse monoclonal [8E8] to Human Polyoma virus JCV capsid protein VP1
Host species	Mouse
Tested applications	Suitable for: Indirect ELISA, WB
Species reactivity	Reacts with: JCV virus
Immunogen	Recombinant full length protein corresponding to Human Polyoma virus JCV capsid protein VP1. Recombinant full length purified major capsid protein VP1 of human polyomavirus JCV expressed in yeast <i>S.cerevisiae</i> .
General notes	<p>This product was changed from ascites to tissue culture supernatant on 28/11/2017. Lot numbers higher than GR48370-3, GR185137-5, GR185137-7 and GR185137-8 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.</p> <p>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.</p> <p>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</p>

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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal

Clone number	8E8
Myeloma	Sp2/0
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34756 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

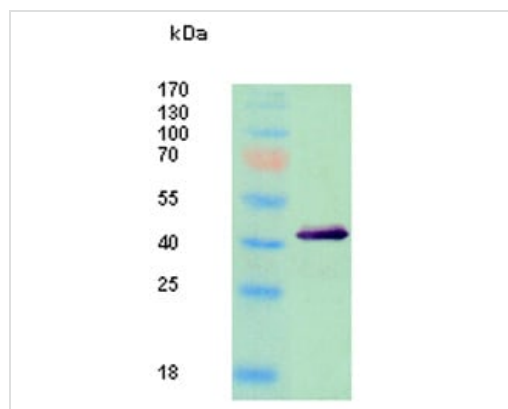
Application	Abreviews	Notes
Indirect ELISA		1/1000 - 1/10000.
WB		1/1000 - 1/5000.

Target

Relevance

The human polyomavirus JC virus (JCV) infects greater than 80% of the human population. The JC virus is a small (38-40 nm in diameter) double stranded, circular DNA virus covered by an icosahedral capsid. Infection with JCV is asymptomatic and it occurs in early childhood. After the primary infection, the virus remains in latent state in the kidney, until it's reactivation under immunosuppressive conditions to result in Progressive Multifocal Leukoencephalopathy (PML), a fatal demyelinating disease. 70% of all HIV-1- infected patients will exhibit neurological disorders and between 5 and 8% of all HIV-1-infected patients will develop PML. Similar to other polyomaviruses, JCV can cause tumors when intracerebrally inoculated at high titers into developing rodent. Several reports suggest the association of viruses, especially of the polyomavirus family with different types of human brain tumors. Tumorigenicity of JCV is most likely induced by the viral early gene product T-antigen. T-antigen has the capacity to interact with several tumor suppressor proteins, most notably p53, and functionally inactivate these proteins.

Images



Immunoblot of recombinant major capsid protein VP1 (500 ng per lane) of human polyomavirus JCV using monoclonal antibody ab34756 at a concentration of 1 µg/mL.

Western blot - Anti-Human Polyoma virus JCV capsid protein VP1 antibody [8E8] (ab34756)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors