

## Product datasheet

# FITC Anti-Varicella Zoster Virus antibody [5B7] ab128768

★ ★ ★ ★ ★ 2 Abreviews

### Overview

<b>Product name</b>	FITC Anti-Varicella Zoster Virus antibody [5B7]
<b>Description</b>	FITC Mouse monoclonal [5B7] to Varicella Zoster Virus
<b>Host species</b>	Mouse
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Specificity</b>	ab128768 is specific for Varicella zoster virus. It does not cross react with HSV1, 2 or CMV.
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Other species
<b>Immunogen</b>	Varicella zoster virus, Ellen strain (P09258; P09259; P09260).
<b>General notes</b>	<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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Store undiluted. The product can be stored for up to 12 months.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituents: 1% BSA, 98% PBS
<b>Purity</b>	Purified IgM
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	5B7
<b>Isotype</b>	IgM

### Applications

## The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab128768 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
ICC/IF	★☆☆☆☆ (1)	Use at an assay dependent dilution.

## Target

### Relevance

Varicella Zoster Virus (VZV), a member of the human herpes virus family, causes two distinct clinical manifestations: childhood chickenpox (Varicella) and shingles (zoster). Varicella is the outcome of the primary infection with VZV, whereas, zoster is the result of VZV reactivation from latently infected sensory ganglia which occurs predominantly in aging and immunosuppressed individuals. VZV is closely related to the herpes simplex viruses (HSV), sharing much genome homology. The known envelope glycoproteins (gB, gC, gE, gH, gI, gK, gL) correspond with those in HSV, however there is no equivalent of HSV gD. VZV virions are spherical and 150-200 nm in diameter. Its lipid envelope encloses the nucleocapsid of 162 capsomeres arranged in a hexagonal form. Its DNA is a single linear, double strand molecule, 125,000 nt long. Glycoprotein E (gE), a 623 amino acid type I integral membrane protein, is expressed on plasma membranes and in the cytoplasm of VZV infected cells, where it is presumed to be present in the membranes of intracellular vesicles or organelles. VZV gE complexes with gI in the rough endoplasmic reticulum, and most gE exists in the form of gE to gI heterodimers in infected cells. VZV gE is also a predominant component of the virion envelope. The functions of gE, which is encoded by ORF68, are of particular interest because it has been demonstrated that ORF68 is essential for VZV replication. In contrast, the genes for gE proteins can be deleted from herpes simplex virus and pseudorabies virus, albeit with significant reductions in infectivity in cell culture and in animal models. Since the VZV genome does not encode a homologue of gD, VZV gE may have functions that are usually segregated between gD and gE, or the gE to gI complex, in other alphaherpesviruses.

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

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- Replacement or refund for products not performing as stated on the datasheet
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- 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

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