

Product datasheet

Anti-Varicella Zoster Virus IE62 antibody [62B] - BSA and Azide free ab212015

2 Images

Overview

Product name	Anti-Varicella Zoster Virus IE62 antibody [62B] - BSA and Azide free
Description	Mouse monoclonal [62B] to Varicella Zoster Virus IE62 - BSA and Azide free
Host species	Mouse
Specificity	This antibody reacts with IE62 of VZV.
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Varicella zoster virus
Immunogen	Tissue, cells or virus corresponding to Human Herpesvirus Varicella Zoster Virus IE62. Varicella-zoster virus (Human herpesvirus 3) Oka strain (vaccine strain). Database link: Q8AZM1
Positive control	Varicella Zoster Virus strain pOka infected MRC5 cell lysate; Varicella Zoster Virus-infected MRC5 cells.
General notes	<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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 6 Constituents: 50% Glycerol (glycerin, glycerine), 50% PBS
Carrier free	Azide- and carrier-free. Yes

Purity	Proprietary Purification
Purification notes	ab212015 was produced by hybridoma grown in serum-free medium and purified by a proprietary chromatography procedure under mild conditions. 90~95% pure by SDS-PAGE.
Clonality	Monoclonal
Clone number	62B
Isotype	IgG1
Light chain type	kappa

Applications

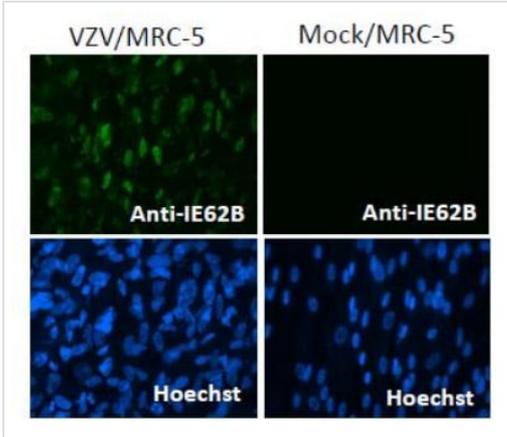
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab212015 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/5000. Predicted molecular weight: 140 kDa.
ICC/IF		1/50 - 1/100.

Target

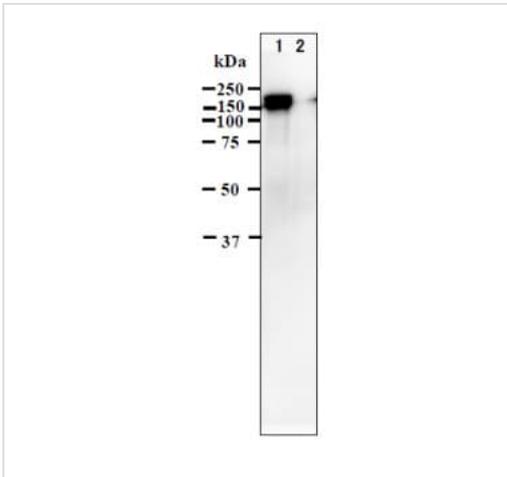
Relevance Varicella Zoster Virus (VZV), a member of the human herpes virus family, causes two distinct clinical manifestations: childhood chickenpox(Varicella) and shingles (zoster). Varicella is the outcome of the primary infection with VZV, whereas, zoster is the result of VZV reactivation from latently 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. The immediate-early protein IE62 is a major component of virus particles and initiates transcription from its own and other VZV gene promoters, acting synergistically with several viral and cellular transactivating proteins.

Images



Immuofluorescent analysis of Varicella Zoster Virus (VZV) -infected MRC5 cells labeling Varicella Zoster Virus IE62 with ab212015 at 1/100 dilution, followed by Alexa Fluor 488 donkey anti-mouse IgG [H+L] at 1/200 dilution (green). Nuclei were stained with Hoechst 33342 (blue).

Immunocytochemistry/ Immunofluorescence - Anti-Varicella Zoster Virus IE62 antibody [62B] - BSA and Azide free (ab212015)



All lanes : Anti-Varicella Zoster Virus IE62 antibody [62B] - BSA and Azide free (ab212015) at 1/5000 dilution

Lane 1 : VZV strain pOka infected MRC5 cell lysate

Lane 2 : MRC5 cell lysate (uninfected negative control)

Predicted band size: 140 kDa

Western blot - Anti-Varicella Zoster Virus IE62 antibody [62B] - BSA and Azide free (ab212015)

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

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