

AM33128PU-N

Monoclonal Antibody to VZV / HHV-3 Ellen strain, Glycoprotein E + I - Azide Free

Alternate names:	HHV3, Varizella zoster
Quantity:	0.5 mg
Concentration:	1.2 mg/ml (OD280nm, E0.1%=1.4)
Background:	<p>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.</p> <p>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.</p> <p>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.</p>
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12A
Clone:	SG1
Immunogen:	VZV Ellen Strain from VZV-infected monkey kidney cells (BSC-1).
Format:	<p>State: Liquid purified IgG fraction from Cell Culture. Product is 0.2µm filtered.</p> <p>Purification: Affinity Chromatography on Protein G</p> <p>Buffer System: 20mM Sodium Phosphate, pH 9.0 ± 0.2</p> <p>Preservatives: None</p>
Applications:	<p>Detection of VZV glycoprotein I (VZVgE) in cell culture by Indirect Immunofluorescent antibody technique and for Western blot and Immunoprecipitation tests.</p> <p>This antibody also works in ELISA.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	This Monoclonal SG1 antibody reacts with precursor as well as with mature VZV glycoprotein I (VZVgE) and glycoprotein IV (VZVgI).
Storage:	<p>Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>
General Readings:	<p>Weller, T.H. 1979. Varicella and Herpes Zoster. In:Diagnostic Procedures for Viral, Rickettsial and Chlamydial Infections (Lennette, E.H. and Schmidt, N.J., eds.) American Public Health Associations, Inc. Washington D.C., pp 375-398.</p> <p>Drew, W.L. and Mintz, L. 1980. Rapid diagnosis of varicella-zoster virus infection by</p>

directimmuno-fluorescence. Am. J. Clin. Pathol. 73:699-701.

Davison et al., 1986. New common nomenclature for glycoprotein gene of varicella-zoster virus and their glycosylated products. J. Virol. 57: 1195-1197.