

## Product datasheet for **AM33129PU-N**

### ORF62 IE62 Mouse Monoclonal Antibody [Clone ID: IE(62)]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	IE(62)
Applications:	IF, IHC, IP
Recommended Dilution:	Detection of VZV IE62 either by <b>Indirect Immunofluorescence</b> or <b>Immunoprecipitation</b> test. Also works in <b>Immunohistochemistry</b> .
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	Specific to Varicella-Zoster Virus (VZV), 175 kDa, Gene 62. Clone <i>IE(62)</i> reacts with VZV immediate early protein encoded by gene 62.
Formulation:	20mM Sodium Phosphate, pH 9.0 State: Azide Free State: Liquid purified IgG fraction from Tissue Culture Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">P09310</a>



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**Background:**

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.

**Synonyms:**

HHV3, Varizella zoster, IE62, IE175, ORF 62, p175