



# Anti-VZV monoclonal antibody, clone TG3 (DMAB4502)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Reacts with VZV glycoprotein III. Immunofluorescence positive cells expressing VZV gp III show a strong green cytoplasmic fluorescence as well as cell membrane staining whereas, negative cells show a dark background of unstained cells. Precursor-products
<b>Immunogen</b>	VZV Ellen Strain
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Virus
<b>Clone</b>	TG3
<b>Affinity Constant</b>	Not determined
<b>Purification</b>	Protein G chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in Western blot, indirect IFA and immunoprecipitation. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	1.16mg/ml (OD280nm, E0.1% = 1.4)
<b>Size</b>	0.5 mg
<b>Buffer</b>	20mM Sodium phosphate, pH 9.0

<b>Preservative</b>	None
<b>Storage</b>	Aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	<p>Varicella zostervirus(VZV) is one of eight herpes viruses known to infect humans (and other vertebrates). It commonly causes chicken-pox in children and Herpes zoster(shingles) in adults and rarely in children. Varicella zoster virus (VZV) is one of eight herpes viruses known to infect humans (and other vertebrates). It commonly causes chicken-pox in children and both shingles and post-herpetic neuralgia in adults. 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 also fails to produce the LAT (latency-associated transcripts) that play an important role in establishing HSV latency (herpes simplex virus).</p>
<b>Keywords</b>	<p>herpes virus 3; Envelope glycoprotein gI; GI; Glycoprotein IV; GPIV; HHV 3; HHV3; HHV3gp39; Membrane glycoprotein gE; Varicella Zoster Virus; VZV; VZVgE; VZVgI; Herpesviridae; Alpha herpesvirinae; Varicellovirus; HHV-3; VZV gpIII</p>