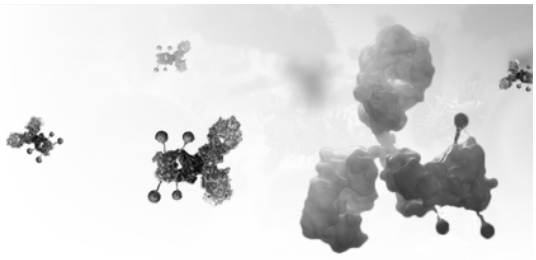

Anti-VZV gpI& IV monoclonal antibody, clone TG2-2 (DMAB4500)

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

PRODUCT INFORMATION

Specificity	Reacts only with fully glycosylated VZV glycoprotein I (VZVgE) as well as glycoprotein IV (VZVgI) by immunoprecipitation
Immunogen	VZV Ellen Strain from VZV-infected monkey kidney cells (BSC-1)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Virus
Clone	TG2-2
Affinity Constant	Not determined
Purification	Protein G chromatography
Conjugate	Unconjugated
Applications	Intended for the detection of VZV glycoprotein I (VZVgE) in cell culture by indirect immunofluorescent antibody technique and for Western blot and immunoprecipitation tests. Also works in ELISA. 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.
Format	Purified, Liquid
Concentration	1mg/ml (OD280nm, E0.1% = 1.4)
Size	0.5 mg

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Buffer	20mM Sodium phosphate, pH 9.0
Preservative	None
Storage	Short term (up to 7 days) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	Varicella zostervirus(VZV) is one of eight herpes viruses known to infect humans (and othervertebrates). It commonly causes chicken-pox in children and Herpes zoster(shingles) in adults and rarely in children. Varicellazoster virus (VZV) is one of eight herpes viruses known to infect humans (andother vertebrates). It commonly causes chicken-pox in children and bothshingles and post-herpetic neuralgia in adults. VZV is closely related to theherpes simplex viruses (HSV), sharing much genome homology. The known envelopeglycoproteins (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 establishingHSV latency (herpes simplex virus).
Keywords	Varicella-Zoster Virus (VZVgE and VZVgI); herpes virus 3; Envelope glycoprotein gI; GI; Glycoprotein IV; GPIV; HHV 3; HHV3; HHV3gp39; Membrane glycoprotein gE; Varicella Zoster Virus; VZV; VZVgE; VZVgI; Herpesviridae; Alphaherpesvirinae; Varicellovirus; HHV-3; VZV gpI& IV

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