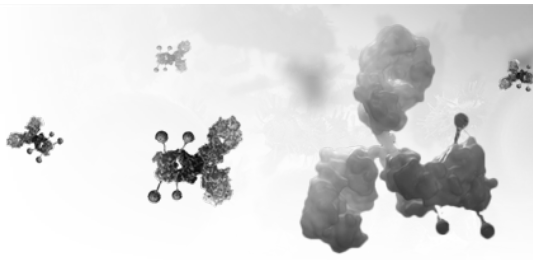

Anti-VZV monoclonal antibody, clone TG5 (DMAB4503)

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

PRODUCT INFORMATION

Specificity	Reacts with VZV glycoprotein IV (VZVgI) and to a lesser extent VZV glycoprotein I (VZVgE) by immunoprecipitation test. This clone reacts with both precursor and mature glycoprotein IV (VZVgI).
Immunogen	VZV Ellen Strain from VZV-infected monkey kidney cells (BSC-1)
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Virus
Clone	TG5
Affinity Constant	Not determined
Purification	Protein G chromatography
Conjugate	Unconjugated
Applications	Intended for detection of VZV glycoprotein IV (VZVgI) in cell culture by indirect immunofluorescent antibody technique and for immunoprecipitation test. 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	1.02mg/ml (OD280nm, E0.1% = 1.4)
Size	0.5 mg

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Buffer	20mM Na2HPO4, 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 knownenvelope glycoproteins (gB, gC, gE, gH, gI, gK, gL) correspond with those inHSV, however there is no equivalent of HSV gD. VZV also fails to produce theLAT (latency-associated transcripts) that play an important role inestablishing HSV latency (herpes simplex virus).
Keywords	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 gpIV

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221