

## Product datasheet for **BM3261**

### Mouse Monoclonal Antibody [Clone ID: 1-M-12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1-M-12
Applications:	ELISA, IF, WB
Recommended Dilution:	<b>ELISA</b> (1/10,000). <b>Western blot</b> (1/1,000). <b>Immunofluorescence</b> (1/1,000).
Reactivity:	Cytomegalovirus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	HCMV infected cell.
Specificity:	Detects Cytomegalovirus Glycoprotein B antigen.
Formulation:	1xPBS, pH 7.2 State: Purified State: Liquid purified Ig fraction Preservative: 0.01% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Sepharose Chromatography
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="#">P06473</a>



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**Background:**

Human *Cytomegalovirus* (HCMV) glycoprotein B (gB) is an abundant virion envelope protein that has been shown to be essential for the infectivity of HCMV. HCMV gB is also one of the most immunogenic virus-encoded proteins, and a significant fraction of virus neutralizing antibodies are directed at gB.

Glycoprotein B (gB) is the main antigenic protein within the envelope of HCMV. It is required for CMV mediated membrane fusion along with the gH/gL complex. The unprocessed precursor of HCMV gB is 906 amino acids in length, with a MW of approximately 100 kDa. Cytomegalovirus is a member of the herpes virus group, which includes herpes simplex virus types 1 and 2, varicella zoster virus (which causes chicken pox), and Epstein Barr virus (which causes infectious mononucleosis). These viruses share a characteristic ability to remain dormant within the body over a long period.

**Synonyms:**

HCMV, HHV5, Glycoprotein B, UL55, Cytomegalovirus