

## Product datasheet for **BM1057**

### Mouse Monoclonal Antibody [Clone ID: HCMV37]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	HCMV37
Applications:	ELISA, IF, IHC, Neutralize
Recommended Dilution:	<b>ELISA.</b> <b>Immunofluorescence:</b> Reactive only in acetone fixed CMV infected cells or frozen sections.
Reactivity:	Cytomegalovirus
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human CMV extracts.
Specificity:	The antibody is specific for <i>Cytomegalovirus</i> glycoprotein B late neutralizing antigen. Reacts with MRC-5 infected cells but not uninfected cells. This antibody has been found to be Neutralizing.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody 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.

**Synonyms:**

HCMV, HHV5, Glycoprotein B, UL55, Cytomegalovirus