

Datasheet: 2470-5426F

**BATCH NUMBER 1709**

<b>Description:</b>	MOUSE ANTI CYTOMEGALOVIRUS gB LATE NEUTRALIZING ANTIGEN:FITC
<b>Specificity:</b>	CYTOMEGALOVIRUS gB LATE NEUTRALIZING ANTIGEN
<b>Other names:</b>	CMV
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	HCMV37
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Viral		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin		
<b>Approx. Protein</b>	IgG concentration 0.1mg/ml		

## Concentrations

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**Immunogen** Human CMV extracts.

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**Specificity** **Mouse anti Cytomegalovirus gB Late Neutralizing Antigen antibody, clone HCMV37** recognizes Cytomegalovirus glycoprotein B late neutralizing antigen. Cytomegalovirus is an enveloped double stranded DNA virus which in humans (HCMV) is commonly known as human herpesvirus 5 (HHV-5).

Glycoprotein B (gB) is the main antigenic protein within the envelope of HCMV. It is required for HCMV 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.

Mouse anti Cytomegalovirus gB Late Neutralizing Antigen antibody, clone HCMV37 reacts with MRC-5 infected cells but not uninfected cells. This antibody has been found to be neutralizing.

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**Storage** Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. This product is photosensitive and should be protected from light.  
Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/2470-5426F>  
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**Regulatory** For research purposes only

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