Datasheet: 2470-5416

Description:	MOUSE ANTI CYTOMEGALOVIRUS gB LATE CYTOPLASMIC ANTIGEN
Specificity:	CYTOMEGALOVIRUS gB LATE CYTOPLASMIC ANTIGEN
Other names:	CMV
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	hCMV34
Isotype:	IgG2a
Quantity:	0.2 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.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen (1)	▪			
ELISA	▪			
Immunofluorescence	▪			0.02 µg/slide - 1 µg/slide

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.

(1)**Reactive only in acetone fixed CMV infected cells or frozen sections.**

Target Species	Viral
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Native cytomeglaovirus extracts from infected human cells..
Specificity	**Mouse anti Cytomegalovirus gB Late Cytoplasmic Antigen antibody, clone hCMV34** detects

	cytomegalovirus glycoprotein B late cytoplasmic 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 100kDa. Mouse anti Cytomegalovirus gB Late Cytoplasmic Antigen antibody, clone hCMV34 does not react with HSV, VZV or EBV. Reacts with MRC-5 infected cells, but not uninfected cells. Mouse anti Cytomegalovirus gB Late Cytoplasmic Antigen antibody, clone hCMV34 has been used successfully to demonstrate presence of CMV in infected cells by immunofluorescence on paraformaldehyde fixed cell cultures (González-Sánchez *et al* 2015).
References	1. González-Sánchez HM *et al.* (2015) Effects of cytomegalovirus infection in human neural precursor cells depend on their differentiation state. J Neurovirol. 21 (4): 346-57.
Storage	Store at +4ºC or at -20ºC if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

Printed on 01 Aug 2018