

Datasheet: MCA406

BATCH NUMBER 169524

Description:	MOUSE ANTI HERPES SIMPLEX VIRUS 1 VP21/VP22a
Specificity:	HERPES SIMPLEX VIRUS 1 VP21/VP22a
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LP13
Isotype:	IgG2a
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			
Immunofluorescence	▪			
Immuno-electron Microscopy	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Viral
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	HSV-1 strain HFEM
RRID	AB_322110
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.
Specificity	<p>Mouse anti Herpes simplex Virus 1 VP21/VP22a antibody, clone LP13 recognizes Herpes simplex virus 1, also known as HSV-1, a member of the herpes virus family, <i>Herpesviridae</i> that infect humans. HSV-1 is contagious and symptoms of infection include watery blisters in the skin or mucous membranes of the mouth, lips or genitals.</p> <p>Clone LP13 binds to the HSV-1 VP21/VP22a scaffold proteins.</p>
References	<ol style="list-style-type: none"> McCann 3rd P.J. <i>et al.</i> (1994) Investigation of the specificity of the herpes simplex virus type 1 protease by point mutagenesis of the autoproteolysis sites. J Virol. 68 (1): 526-9. Gao, M. <i>et al.</i> (1994) The protease of herpes simplex virus type 1 is essential for functional capsid formation and viral growth. J Virol. 68 (6): 3702-12. Spencer, J.V. <i>et al.</i> (1997) Structure of the herpes simplex virus capsid: peptide A862-H880 of the major capsid protein is displayed on the rim of the capsomer protrusions. Virology. 228: 229-35. Mcnab, A.R. <i>et al.</i> (1998) The product of the herpes simplex virus type 1 UL25 gene is required for encapsidation but not for cleavage of replicated viral DNA. J Virol. 72 (2): 1060-70. Morioka, H. <i>et al.</i> (1999) Co-localization of HSV-1 DNA and ICP35 protein by in situ hybridization and immunocytochemistry. J Electron Microsc (Tokyo). 48: 621-8. Newcomb, W.W. <i>et al.</i> (2000) Isolation of herpes simplex virus procapsids from cells infected with a protease-deficient mutant virus. J Virol. 74 (4): 1663-73. Preston, V.G. and McDougall, I.M. (2002) Regions of the herpes simplex virus scaffolding protein that are important for intermolecular self-interaction. J Virol. 76: 673-87. McClelland, D.A. <i>et al.</i> (2002) pH reduction as a trigger for dissociation of herpes simplex virus type 1 scaffolds. J Virol. 76 (15): 7407-17. Yang, K. <i>et al.</i> (2007) Putative terminase subunits of herpes simplex virus 1 form a complex in the cytoplasm and interact with portal protein in the nucleus. J Virol. 81 (12): 6419-33. Bucks, M.A. <i>et al.</i> (2007) Herpes simplex virus type 1 tegument proteins VP1/2 and UL37 are associated with intranuclear capsids. Virology. 361: 316-24. Yang, K. <i>et al.</i> (2009) The putative leucine zipper of the UL6-encoded portal protein of herpes simplex virus 1 is necessary for interaction with pUL15 and pUL28 and their association with capsids. J Virol. 83 (9): 4557-64. Yang, K. and Baines, J.D. (2009) Tryptophan residues in the portal protein of herpes simplex virus 1 critical to the interaction with scaffold proteins and incorporation of the portal into capsids. J Virol. 83: 11726-33. Roller, R.J. <i>et al.</i> (2011) Intragenic and Extragenic Suppression of a Mutation in Herpes Simplex Virus 1 UL34 That Affects both Nuclear Envelope Targeting and

Membrane Budding. [J Virol. 85: 11615-25.](#)

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Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA406>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#), [DyLight®650](#), [DyLight®680](#), [DyLight®800](#), [FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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