

Datasheet: 9801-8006

Description:	MOUSE ANTI YELLOW FEVER VIRUS
Specificity:	YELLOW FEVER VIRUS
Format:	Ascites
Product Type:	Monoclonal Antibody
Clone:	2D12 (0G5)
Isotype:	IgG2a
Quantity:	0.1 ml

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
ELISA			▪	
Western Blotting			▪	
Immunofluorescence	▪			
Functional Assays	▪			

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 appropriate negative/positive controls.

Target Species	Viral
Product Form	Ascites - Liquid
Preservative Stabilisers	None Present
Immunogen	17D strain of yellow fever virus
RRID	AB_619294

Specificity

Mouse anti Yellow fever virus antibody, clone 2D12 recognizes the envelope protein of the wild (Asibi) and vaccine strains of yellow fever virus. Mouse anti Yellow fever virus antibody, clone 2D12 has been reported to have neutralizing activity against the Asibi strain ([Schlessinger et al. 1984](#)). No cross reactivity with other flaviviruses has been reported.

References

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3. Schlesinger, J.J. *et al.* (1984) Analysis of 17D yellow fever virus envelope protein epitopes using monoclonal antibodies. [J Gen Virol. 65 \(Pt 10\): 1637-44.](#)
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6. Brandriss, M.W. *et al.* (1986) Lethal 17D yellow fever encephalitis in mice. I. Passive protection by monoclonal antibodies to the envelope proteins of 17D yellow fever and dengue 2 viruses. [J Gen Virol. 67 \(Pt 2\): 229-34.](#)
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8. Izurieta, R.O. *et al.* (2009) Anamnestic immune response to dengue and decreased severity of yellow fever. [J Glob Infect Dis. 1 \(2\): 111-6.](#)
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11. Op De Beeck, A. *et al.* (2004) The transmembrane domains of the prM and E proteins of yellow fever virus are endoplasmic reticulum localization signals. [J Virol. 78 \(22\): 12591-602.](#)
12. Ciczora, Y. *et al.* (2010) Identification of a dominant endoplasmic reticulum-retention signal in yellow fever virus pre-membrane protein. [J Gen Virol. 91 \(Pt 2\): 404-14.](#)
13. Vratskikh, O. *et al.* (2013) Dissection of antibody specificities induced by yellow fever vaccination. [PLoS Pathog. 9 \(6\): e1003458.](#)

Storage

Store at -20°C only.
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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10194 available at:
10194: <https://www.bio-rad-antibodies.com/uploads/MSDS/10194.pdf>

Regulatory

For research purposes only

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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