

Datasheet: PIP052A

Name:YELLOW FEVER VIRUSOther names:YFVFormat:Rec. ProteinProduct Type:Recombinant ProteinQuantity:100 μg	Description:	RECOMBINANT YELLOW FEVER VIRUS NS1 PROTEIN					
Format:Rec. ProteinProduct Type:Recombinant Protein	Name:	YELLOW FEVER VIRUS					
Product Type: Recombinant Protein	Other names:	YFV					
	Format:	Rec. Protein					
Quantity: 100 μg	Product Type:	Recombinant Protein					
	Quantity:	100 µg					

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 <u>www.bio-rad-antibodies.com/protocols</u> .								
	Yes No Not Determined Suggested Dilution								
	ELISA	•							
	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	Purified recombinant protein	- liquid							
Preparation	Recombinant yellow fever vir human cells	us NS1	protein, s	equence strain [·]	17D, exj	pressed in 293			
Source	HEK-293								
Buffer Solution	Dulbecco's phosphate buffere	ed saline	•						
Preservative Stabilisers	None present								
Approx. Protein Concentrations	Current, batch-specific conce	entration	0.98 mg/	ml					
Specificity	Recombinant yellow fever v 293 cell line. This product has post-translational modification	s been p	ourified ar	nd retains its nat	ive foldi	ng state and			

hexamer is the biologically active form of the NS1 antigen and therefore involved in the pathogenesis of yellow fever virus (YFV).

Yellow fever virus belongs to the Flaviviridae family and like closely related viruses, such as West Nile virus, is an abovirus utilizing various mosquito species as vectors. YFV appears to be restricted naturally to human and other primates but can be experimentally induced in other mammalian species. In recent years an increasing number cases of YFV infection have been reported.

Originating in Africa, YFV has been introduced to tropical regions of South America and periodic outbreaks have historically occurred in both Europe and North America. According to the World Health Organization (WHO), it has been estimated that approximately 200,000 people contract YFV annually with around 30,000 cases resulting in fatality, the majority of these on the African continent.

This product may be used in research to investigate vaccine development (Bonaldo, M.C. et al. 2014) or in research into the development of assays to detect YFV infection (Ding, X.X,et al. 2014).

Purity >95% by SDS PAGE analysis

Amino Acid Sequence aa755-1130 (Accession number NP 041726.1)

Further F	Reading	 Ding, X.X. <i>et al.</i> (2014) Development of a Double Antibody Sandwich ELISA for West Nile Virus Detection Using Monoclonal Antibodies against Non-Structural Protein 1. <u>PLoS</u> <u>One 9(10): e108623.</u> Bonaldo, M.C. <i>et al.</i> (2014) The yellow fever 17D virus as a platform for new live attenuated vaccines. <u>Hum Vaccin Immunother. 10(5): 1256-65.</u> 							
Storage		This product s	st-free fre should be protein. S	Should this product cont	d repeated free	ezing and thawing as this may te we recommend			
Guarante	90	12 months from date of despatch							
Health A Informati	nd Safety ion		•	eet documentation #10 tibodies.com/SDS/PIP0		at:			
Regulato	ory	For research	purposes	only					
North & South America	Tel: +1 800 265 7 Fax: +1 919 878 3 Email: antibody_s		orldwide m	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio	Europe -rad.com	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com			

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M431859:240821'

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