



Recombinant Powassan virus prM/M [GST, His] (DAG-WT1201)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Purity	> 90% as determined by SDS-PAGE
Conjugate	GST, His
Applications	ELISA, WB
Molecular Weight	48 kDa
Format	Liquid
Size	100 µg, 1 mg
Buffer	50mM Tris-HCl (pH8.0), 150mM NaCl and 8M urea
Preservative	None
Storage	Store at -20°C

BACKGROUND

Introduction	Powassan virus (POWV) is a positive-sense single-stranded RNA virus that belongs to the genus <i>Flavivirus</i>, a member of the <i>Flaviviridae</i> family of viruses. It is an arthropod-borne virus that is transmitted by infected ticks to small/medium sized mammals, which act as reservoirs for the virus. Different tick species transmit POWV including hard ticks, of the family <i>Ixodidae</i>, and the tick species varies according to the geographical region. POWV can also be transmitted to humans, which are incidental, dead-end, hosts for the virus. POWV NS1 protein 1 (Non-Structural protein 1) has been manufactured in response to the unmet need for highly purified, concentrated protein for use in serological based diagnostic assays.
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Keywords

Powassan virus; POWV; pre-membrane
