

## 12-8242: Anti-Powassan Virus, NS1 (Clone POWV-6117)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	POWV-6117
<b>Application :</b>	ELISA
<b>Alternative Name :</b>	NS1, Non-structural protein 1
<b>Isotype :</b>	Mouse IgG2b $\kappa$

### Description

Specificity: Anti-Powassan Virus (Clone POWV-6117) is specific for the non-structural protein 1 (NS1) from Powassan Virus. Background: Powassan virus (POWV) is a single-stranded RNA virus that is a member of the Flaviviridae family within the genus Flavivirus. This virus is transmitted to humans primarily through the bite of infected ticks, particularly *Ixodes scapularis* and *Ixodes cookei*. Powassan virus is classified into two distinct lineages: the Powassan (POWV) lineage and the deer tick virus (DTV) lineage. Powassan virus infection can result in severe neurological symptoms, including encephalitis and meningitis. While the overall disease burden is relatively low compared to other tick-borne illnesses, the virus has gained attention due to its potential for rapid onset of severe illness and its association with fatal outcomes. Powassan virus is primarily distributed in North America and parts of Russia, and its emergence and the increasing incidence of cases underscore the importance of continued surveillance and research for understanding its epidemiology and potential public health impact.

### Product Info

<b>Amount :</b>	250 $\mu$ g
<b>Purification :</b>	Purity: >90% for SDS PAGE Preparation: This monoclonal antibody is purified by ion exchange chromatography. Concentration: $\geq$ 1.0 mg/ml
<b>Content :</b>	Formulation: Formulated in 0.015 M phosphate buffered saline (0.85% NaCl), pH 7.2 and contains 0.05% sodium azide. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.
<b>Storage condition :</b>	This purified antibody is stable when stored at 2-8°C. Do not freeze.

### Application Note

ELISA, Lateral Flow