



# DENV type 2 Envelope protein (50 kDa) (DAGA-071)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Caused by one of four closely related virus serotypes of the genus <i>Flavivirus</i> , family <i>Flaviviridae</i> , each serotype is sufficiently different that there is no cross-protection and epidemics caused by multiple serotypes (hyperendemicity) can occur. In cell culture experiments and mice Morpholino antisense oligos have shown specific activity against Dengue virus. Recombinant Dengue Virus Subtype 2 produced in Insect Cells is a polypeptide chain containing amino acids 281-675 and having a molecular weight of approximately 50kDa. Dengue Envelope-2 is purified by proprietary chromatographic technique.
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<b>Purity</b>	Protein is >95% pure as determined by 12.5% SDS-PAGE.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	N/A
<b>Molecular Weight</b>	50 kDa
<b>Stability</b>	For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Format</b>	Solution
<b>Size</b>	2 µg, 10 µg, 1 mg
<b>Buffer</b>	Dengue Envelope-2 protein solution in 1xD-PBS, pH7.4, 0.1% Thimerosal, 5mM EDTA, 1µg/ml of Leupeptin, Aprotinin and Pepstatin A.
<b>Preservative</b>	None
<b>Storage</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.

## BACKGROUND

**Keywords**

Dengue virus 2; Flavivirus; DENV Envelope Protein; DV 2 Envelope Protein; Dengue Virus 2 Envelope Protein; DENV type 2 Envelope protein

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