



DENV type 1 Envelope protein (50 kDa) (DAGA-072)

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

PRODUCT INFORMATION

Antigen Description Caused by one of four closely related virus serotypes of the genus *Flavivirus*, family *Flaviviridae*, 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 1 produced in Insect Cells is a polypeptide chain containing amino acids 281-675 and having a molecular weight of approximately 50kDa. Dengue Envelope-1 is purified by proprietary chromatographic technique.

Purity	Protein is >95% pure as determined by 12.5% SDS-PAGE.
Conjugate	Unconjugated
Applications	N/A
Molecular Weight	50 kDa
Stability	For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Format	Solution
Size	2 µg, 10 µg, 1 mg
Buffer	Dengue Envelope-1 protein solution in 1xD-PBS, pH7.4, 0.1% Thimerosal, 5mM EDTA, 1µg/ml of Leupeptin, Aprotinin and Pepstatin A.
Preservative	0.1% Thimerosal
Storage	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

DENV-1 E; Dengue E glycoprotein; Dengue Type-1 Envelope; Dengue envelope glycoprotein; Dengue glycoprotein E; Dengue virus envelope glycoprotein; Dengue virus glycoprotein E; Flaviviridae; Flavivirus; DENV type 1 Envelope protein
