



Recombinant Dengue Virus Serotype 1 Envelope Protein [His] (DAG-WT3270)

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

PRODUCT INFORMATION

Purity	> 95% as determined by SDS-PAGE
Conjugate	His
Applications	ELISA, WB
Molecular Weight	45 kDa
Format	Liquid
Size	1 mg
Buffer	PBS, 5% mannitol, 0.01% Tween80, pH7.4
Preservative	None
Storage	Store at -20°C to -80°C

BACKGROUND

Introduction	Dengue virus (DENV) is one of four serotypes and is the cause of dengue fever. It is a mosquito-borne single positive-stranded RNA virus of the family Flaviviridae; genus Flavivirus. All four serotypes can cause the full spectrum of disease. Its genome is about 11000 bases that codes for three structural proteins, capsid protein C, membrane protein M, envelope protein E; seven nonstructural proteins, NS1, NS2a, NS2b, NS3, NS4a, NS4b, NS5; and short non-coding regions on both the 5' and 3' ends. Further classification of each serotype into genotypes often relates to the region where particular strains are commonly found or were first found.
Keywords	Dengue virus; DENV; Envelope protein; E protein