



Recombinant DENV type 4 Envelope Protein (a.a. 300-400) [His] (DAG460)

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

PRODUCT INFORMATION

Product Overview	Recombinant Dengue Type-4 Envelope Domain III, contains neutralizing epitopes, receptor binding domain and a 6-His fusion partner, was expressed in E. coli, and purified in vitro using conventional chromatography techniques.
Species	DENV
Purity	> 95% pure (12% PAGE (Coomassie)). Proprietary chromatographic technique
Conjugate	His
Applications	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Molecular Weight	12 kDa
Format	Purified, Liquid
Concentration	3.7 mg/ml
Size	1 mg
Buffer	PBS, pH 7.4
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction

Dengue virus (DENV) in one of four serotypes 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

DENV; Dengue Virus Envelope Protein; DENV Envelope Protein; Dengue virus