

Dengue Virus 1 Envelope Domain III - Purified

Alternate names:	Dengue Type 1 Envelope Domain III
Catalog No.:	AR31025PU-N
Quantity:	1 mg
Concentration:	4.14 mg/ml
Background:	The dengue virus is responsible for the tropical and sub-tropical diseases, dengue (DF) and dengue haemorrhagic fever (DHF), transmitted to individuals through the bite of the Aedes mosquito. The global distribution of dengue is expanding and comparable to that of malaria, with symptoms ranging from a mild viral syndrome of high fever, rash, headache, fatigue and muscle and joint pain, to the more severe and sometimes fatal DHF. Each dengue virus serotype is antigenically distinct, such that infection only provides an individual with immunity to the causative serotype, with the possibility of further infection by a different serotype or even multiple serotypes.
Source:	E. coli
Format:	State: Liquid purified protein Purity: 95% by SDS-PAGE (Coomassie). Proprietary chromatographic technique Buffer System: PBS, pH 7.4 without preservatives
Applications:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Recombinant Dengue Type 1 Envelope (E) Domain III (12 kDa). Recombinant Dengue Type-1 Envelope Domain III (amino acids 300-400) immunodominant regions. This region contains neutralizing epitopes, and receptor binding domain. Reacts with Dengue Type 1 IgG. Contains a 6-His fusion partner. Molecular weight: 12 kDa (aa 300-400)
Add. Information:	Centrifuge before opening to ensure complete recovery of vial contents.
Storage:	Store the protein at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.