

Dengue Envelope-2 45kDa

Description: The E.coli derived recombinant 52kDa protein is genetically engineered peptide which is derived from Dengue Type-2 and 4 to be expressed as a fused envelope, each part in this fusion contains 170 a.a (positions 46-217), it was designed specifically for gold conjugation in a rapid test production, it has proved better results in specificity and sensitivity compared to individual single antigen by a rapid test company located at San Diego, USA. This fusion protein is connected to a 6xHis Tag. Dengue Type-2 and 4 is purified by proprietary chromatographic technique.

Catalog #:DEPS-029

For research use only.

Source: E.coli.

Purity: Protein is >95% pure as determined by 12% PAGE (coomassie staining).

Formulation:

Phosphate buffered saline, pH-7.4.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Dengue fever is affected by 1 of 4 closely linked virus serotypes of the genus Flavivirus, family Flaviviridae. One might have dengue fever infected by the different serotype virus after the primary infection. Detection of particular antibodies to dengue viruses is used for the diagnosis in clinic. Recently, lateral flow rapid test products have become a most suitable and known method in the clinical diagnosis. Though, there is difficulty for manufacturers to have the dengue antigens with a whole coverage for Dengue IgG & IgM recognition for all 4 serotype infections as well as with colloid gold binding ability. 8 dengue antigens have been established for the lateral flow products which are well defined for their coverage of dengue IgG & IgM recognition. The researcher can select the products below based on their own specific application.

Storage:

Dengue Envelope-2 45kDa although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

To place an order, please [Click HERE](#).