

Dengue Envelope-1 15kDa

Description: The E.coli derived recombinant 12kDa protein is genetically engineered peptide which is derived from Dengue Type-1 envelope III domain immunodeterminant regions. The expressed dengue envelope Type-2 III domain peptide has 100 amino acids covering domain III region from amino acids 300-400, and is fused with a 6 His Tag. This peptide is particularly important for diagnostic and vaccine development as it contains multiple serotypes, neutralizing epitopes and receptor binding domain.

Catalog #:DEPS-018

For research use only.

Amino Acid Sequence:

VMCTGSFKLEKEVAETQHGTVLVQVKYEGTDAPCKIPFSTQDEKGVQTNGRLITANPIVTDKEKP
VNIEAEPP FGESYIVVGAGEKALKLSWFKKGSV.

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

Formulation:

1x PBS 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.

Applications:

Each laboratory should determine an optimum working titer for use in its particular application.

Introduction:

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.

Storage:

Dengue Envelope-ST1 D-III although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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