

## Dengue Epitopes 10

**Description:** 10 dengue epitopes are selected from dengue genome and are genetically fused together. The fused dengue epitopes migrate at 17kDa and can detect both dengue IgG and IgM. We recommend to conjugate colloid gold from size of 528nm to 534nm, pH6.8 and 10-13µg protein /ml gold, the optimal protein concentration has to be determined experimentally. High concentration will reduce sensitivity and unremovable false positive. After conjugation, PEG20,000 should be added to stabilize conjugated gold. This genetic designed peptide should be used with dengue multiple epitopes-13 together ( but need to be conjugated individually) due to regional specificity in test. Assay buffer will be supplied with order to remove false positive. The protein was purified by affinity chromatographic techniques.

Catalog #:DEPS-044

For research use only.

**Source:** Escherichia Coli.

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

**Formulation:**

Phosphate buffered saline, pH 7.4 and 0.02% sodium nitrate.

**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:**

Genetic designed dengue multiple epitopes are fused together specially for lateral flow product. It can detect both dengue IgG and IgM with strong signal without false positivity.

**Storage:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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