

Dengue epi-10 antigen for rapid test Recombinant Protein

Dengue epi-10 antigen for rapid test

CATALOG # AAA78042	HOST E.coli	APPLICATIONS Lateral Flow
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PRODUCT SYNONYMS

Dengue epi-10 antigen for rapid test; Dengue epi-10 antigen for rapid test recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	>95% pure (10% SDS-PAGE Coomassie blue staining). Proprietary chromatographic technique.
Form/Format	Purified, Liquid; PBS with 25mM K ₂ CO ₃
Concentration	1.06mg/ml (lot 5-2019) (varies by lot)
Applicable Applications for Dengue epi-10 antigen for rapid test recombinant protein	LF (Lateral Flow)
Preservative	0.05% Sodium nitrate
Quality control	20 normal blood all negative, 8 positive dengue sample, positive for IgM or IgG.
Important Note	Centrifuge before opening to ensure complete recovery of vial contents.
Preparation and Storage	Upon receipt, store at -20-degree C. Avoid repeated freezing and thawing.

IMAGES



SDS-PAGE

AAA78042, 106 mg/ml, lot 05-2019 (Left), 0.8 mg/ml, lot 05-2019 (Right)

ADDITIONAL INFORMATION

Related Product Information for Dengue epi-10 antigen for rapid test recombinant protein

The product contains two Dengue proteins referred to as epi-10 and epi-13 packaged in separate vials. The proteins are constructed with different Dengue epitopes from 11 Dengue Serotypes 1-4. When used together in a lateral flow assay, the proteins can detect antibodies to Dengue Serotypes 1-4. For lateral flow, the proteins should be conjugated to colloidal separately and then mixed together by ratio, epi-10 conjugate 60 to 70% and epi-13 conjugate 30 to 40%. This ratio is a recommendation only and researchers should optimize for their own model system.

Genetically designed dengue multiple epitopes epi-10 and epi-13 are designed for developing lateral flow assays. When used together, epi-10 and epi-13 provide coverage for all 4 dengue serotypes. Lateral flow assays such as rapid tests prepared by using epi-10 and epi-13 antigens in combination have been shown to have over 90% sensitivity and show strong signal for both dengue IgM and IgG antibodies. Results may vary for individual researchers.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/dengue-epi-10-antigen-for-rapid-test-recombinant-protein-e-coli-lf-lateral-flow/78042>