

Recombinant Dengue virus p42 protein

Cat. No. p42-583D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dengue virus p42 was expressed in E. coli.
Species	DENV
Source	E.coli
Description	Recombinant Dengue p42 antigen is a genetically engineered protein generated from dengue envelope protein, containing most dengue subtype epitopes. Specifically developed for dengue IgG/IgM lateral flow immunoassay. Recombinant Dengue p42 can detect dengue IgG and IgM from all four infected dengue virus subtypes. Having over 90% sensitivity and specificity to detect dengue IgM and IgG. This antigen gives a good performance to detect dengue IgM with strong signal intensity. 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.
Form	Phosphate buffered saline, pH 7.4 and 0.02% sodium nitrate.
Purity	Protein is >95% pure as determined by 12% PAGE (coomassie staining).
Storage	Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20 centigrade 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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