



# DENV type 1 Envelope protein (45 kDa) (DAGA-087)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Antigen Description** 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. Recombinant Dengue Virus Subtype 1 Envelope 45kDa, produced in E.coli. This protein is fused to a 6xHis tag.

<b>Purity</b>	Protein is >95% pure as determined by 10% PAGE (coomassie staining).
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	LFIA, ELISA
<b>Molecular Weight</b>	45 kDa
<b>Stability</b>	Stable at 4°C for 1 week. Please prevent freeze thaw cycles.
<b>Format</b>	Solution
<b>Size</b>	100 µg, 500 µg, 1 mg
<b>Buffer</b>	Phosphate buffered saline with 125mM arginine.
<b>Preservative</b>	None

<b>Storage</b>	Stored below -18°C.
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<b>Ship</b>	Ice Packs
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## BACKGROUND

<b>Keywords</b>	DENV-1 E; Dengue E glycoprotein; Dengue Type-1 Envelope; Dengue envelope glycoprotein; Dengue glycoprotein E; Dengue virus envelope glycoprotein; Dengue virus glycoprotein E; Flaviviridae; Flavivirus; DENV type 1 Envelope protein
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