Recombinant DENV1 DIII E Protein

Cat. No. DIII E-01D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein manufactured in E. coli. Contains the Immunoglobulin-like domain DIII of Dengue virus serotype 1 (DENV1) envelope protein. Protein contains a His-tag and has an approximate pI of 6.7-7.
Species	DENV1
Source	E.coli
Description	Dengue virus is a member of the flavivirus family, which includes Zika virus, West Nile virus and Japanese Encephalitis virus. Many of the proteins expressed by these viruses are very similar, and serological testing for these viruses can be complicated by problems of cross-reactivity. In this context, the use of highly purified antigens, that are glycosylated and folded as native proteins can be highly important in the development of accurate immunoassays.
Form	Liquid
Molecular Mass	11.3 kDa
Purity	> 95%
Applications	ELISA, Western blotting and lateral flow assays.
Stability	Proteins are also stable at pH3 in 50mM Formate buffer, but will precipitate in 1×PBS at pH7.4

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Storage	Short Term Storage: -80 centigrade Long Term Storage: -80 centigrade Can be frozen
Concentration	1.0 mg/mL
Storage Buffer	20mM Carbonate buffer pH 9.6
Shipping	Dry Ice

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