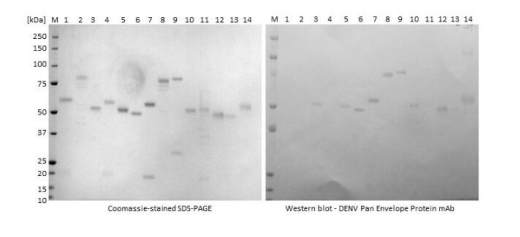
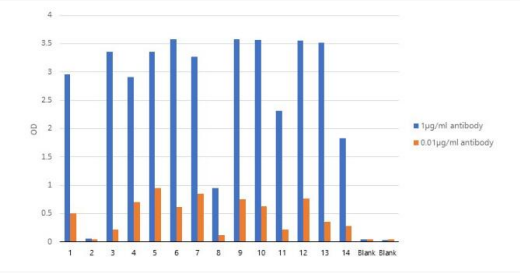
Recombinant DENV1 E Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Dengue virus serotype 1 E protein expressed in insect cells (Baculovirus) with C-terminal His-tag, greater than 95% purity. Dengue virus serotype 1 Envelope protein (E protein) has been manufactured in response to the unmet need for highly purified, concentrated protein for use in serological based diagnostic assays. Dengue virus serotype 1 Envelope protein is engineered in insect cells using state-of-the-art baculovirus expression and purification techniques.
Species	DENV1
Source	Insect Cells
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
Purity	> 95%
Applications	ELISA, Western blotting and lateral flow assays.

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Storage	Store at -20 centigrade or lower. Avoid multiple freeze/thaw cycles.
Concentration	>1 mg/mL
Storage Buffer	PBS, pH 7.4 with 0.05% sodium azide as preservative
Shipping	Dry ice
WB	 Western blot using Dengue Virus (DENV) Pan Envelope mAb against different antigens produced in mammalian cells (DENV1 Envelope; DENV2 Envelope and DENV2 VLP; DENV3 Envelope and DENV3 VLP; DENV4 Envelope and DENV4 VLP) and insect cells (DENV1 Envelope; DENV2 Envelope; DENV3 Envelope; DENV4 Envelope).
ELISA	 ELISA detection using Dengue Virus (DENV) Pan Envelope mAb against different antigens produced in mammalian cells (DENV1 Envelope; DENV2 Envelope and

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DENV2 VLP; DENV3 Envelope and DENV3 VLP; DENV4 Envelope and DENV4 VLP) and insect cells (DENV1 Envelope; DENV2 Envelope; DENV3 Envelope; DENV4 Envelope).

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