

Recombinant DENV2 E Protein, His-tagged

Cat. No. E-04D **Lot. No.** (See product label)

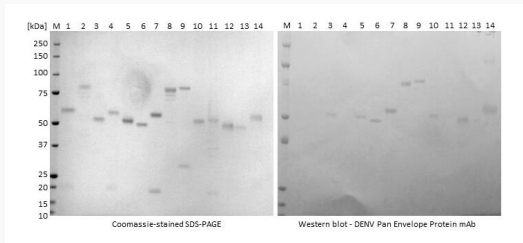
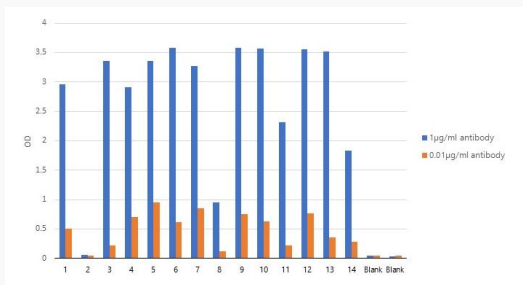
SPECIFICATION

Product Overview	Recombinant Dengue virus serotype 2 E protein expressed in insect cells (Baculovirus) with C-terminal His-tag, greater than 95% purity. Dengue virus serotype 2 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 2 Envelope protein is engineered in insect cells using state-of-the-art baculovirus expression and purification techniques.
Species	DENV2
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	WB and immunoassay development or other applications.

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Storage	Short Term Storage: ≤ -20 centigrade Long Term Storage: -80 centigrade Can be frozen, but avoid multiple freeze-thaw cycles
Concentration	1.0 mg/mL
Storage Buffer	PBS pH 7.4 with 0.05% sodium azide
Shipping	Dry ice
WB	 Coomassie-stained SDS-PAGE Western blot - DENV Pan Envelope Protein mAb 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	 OD 1µg/ml antibody 0.01µg/ml antibody

ELISA detection 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).

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