Product Data Sheet – Recombinant Antigen

Name of product	Dengue Virus type 2 Envelope protein E
Order No.	BA114R01
Lot No.	Lot specific
Source	Recombinant protein, expressed in insect cells
Product description	Envelope protein E of Dengue Virus type 2 (DENV2) (strain Thailand/16681/84); Molecular mass: 47 kDa
Affinity tag	Strep-tag
Purification	By chromatography
Presentation	The protein is presented in 50 mM HEPES/NaOH pH 8.0, 150 mM NaCl and 10 % glycerol
Storage	-65 °C or below. Avoid repeated freeze-thaw cycles.
Date of manufacture	Lot specific
Expiry	10 years from date of manufacture (when stored under recommended conditions)
Manufacturer	Institut Virion\Serion GmbH, Germany

For research or manufacturing use only. Not for use in diagnostic procedures.

2025-01-22

Analysis:

Test	Method	Specification
Protein concentration	UV absorption measurement (280 nm)	0.5 – 2 mg/mL
Identity / Purity	SDS-PAGE (reducing)	Major bands comparable to Reference Standard
Immunoreactivity	Bead-based Immunoassay IgG and IgM	QC serum panel (spanning the reactivity range of the assay) within specified range
Bioburden	Membrane filtration test	≤ 100 cfu/mL

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