

Product Datasheet

Recombinant Virus Dengue Virus 1 VLP Protein NBP3-14811-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NBP3-14811-0.1mg

Recombinant Virus Dengue Virus 1 VLP Protein

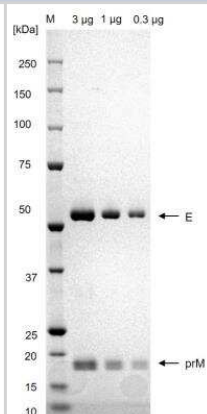
Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>95% pure by SDS-PAGE
Buffer	10mM sodium phosphate, 20mM sodium citrate, 154mM sodium chloride, pH7.4

Product Description	
Description	<p>Recombinant Dengue Virus serotype 1 virus-like particle recombinant antigen consisting of Envelope, pre-Membrane and Membrane protein (NCBI Accession Number: ABO45246.1). The C-terminal 20% of the dengue Envelope protein was replaced by the corresponding Japanese Encephalitis Virus sequence (all internal/transmembrane).</p> <p>Storage: Avoid excessive mixing or shocking to prevent aggregation. Long term storage above -80C may result in aggregate formation.</p> <p>Concentration: 0.1-0.6mg/ml</p>
Species	Virus
Reactivity Notes	Dengue Virus Serotype 1 (Puerto Rico/US/BID-V853/1998 Strain)
Preparation Method	Recombinant Dengue Virus serotype 1 virus-like particle recombinant antigen consisting of Envelope, pre-Membrane and Membrane protein produced in HEK293 human cells. The C-terminal 20% of the dengue Envelope protein was replaced by the corresponding Japanese Encephalitis virus sequence. Tested for stability, concentrated and purified by a series of ultracentrifugation and chromatographical methods which result in VLPs of exceptional quality and purity.

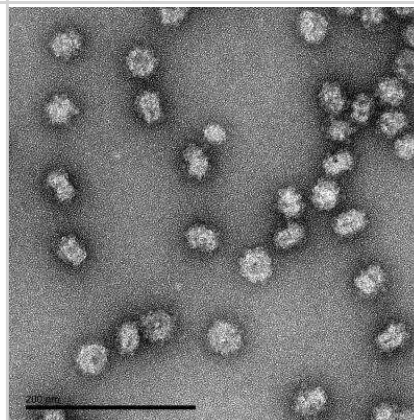
Product Application Details	
Applications	Western Blot, Electron Microscopy
Recommended Dilutions	Western Blot, Electron Microscopy

Images

Western Blot: Dengue Virus 1 VLP Recombinant Protein Antigen [NBP3-14811] - Non-reducing SDS-PAGE gel showing purified Dengue virus serotype 1 virus-like particles; envelope protein (E) at approx. 55kDa, and prM protein running at approx. 18kDa.



Electron Microscopy: Dengue Virus 1 VLP Recombinant Protein Antigen [NBP3-14811] - Negative staining electron microscopy of DENV1 virus-like particles (VLPs).





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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