

Venezuelan Equine Encephalitis Virus (VEEV) E3E2 Protein, produced in mammalian cells

Catalog #: 0563-001

Description:

Recombinant, His-tagged VEEV E3E2 glycoprotein produced in mammalian cells and purified by FPLC.

Formulation & Storage: Supplied in PBS (supplemented with glycerol, arginine and glutamic acid). **Store at** -20°C for 2-3 weeks, -80°C for long-term.

Notes & Usage Guidelines:

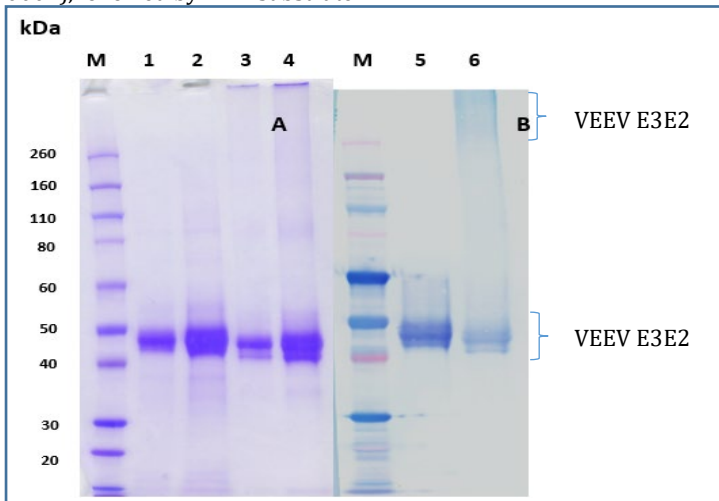
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

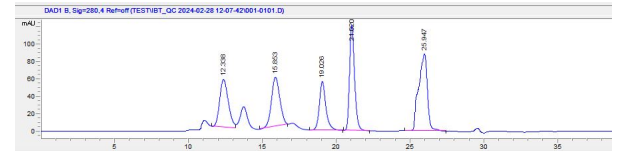
SDS-PAGE and Western Blot Data:

- (A) SDS-PAGE and stain demonstrating 1 µg (Lanes 1 and 3 respectively) and 3µg(Lanes 2 and 4 respectively) of VEEV E3E2 HA-Tag protein under denaturing and reducing conditions (Lanes 1 and 2 respectively) and under denaturing and non-reducing conditions. M denotes Novex Sharp prestained protein markers.
- (B) Western blot detection of VEEV E3E2 1 µg. Lane 5 under denaturing and reducing conditions and line 6 under denaturing and non-reducing conditions. VEEV E3E2 protein was detected using primary THE™ His Tag Monoclonal Antibody 1:1000 (GenScript, Catalog #A00186) and secondary Goat anti-mouse IgG-HRP conjugate 1:3000 (KPL Cat#5450-0001), followed by TMB substrate.

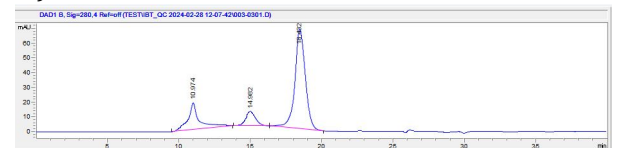


SEC-HPLC Data: The AdvanceBioSEC300 column (Agilent Technologies) performance was verified using A.) Gel Filtration Standard (BioRad 151-1901) at the beginning of each run. Flow rate was set at 0.5 mL/min. Solvent consisted of PBS pH 7.4 supplemented with glycerol, arginine and glutamic acid. B.) VEEV E3E2 displayed two peaks; a high molecular weight peak (HMW) and lower molecular weight peak (LMW) as confirmed by Western Blot. Total purity of the combined peaks is 90.6%

A.)



B.)



Time	Area	% Area	Calculated MW (kDa)
10.947*	1028	20.6	N/A
14.982	461.1	9.404	232.3
18.432*	3533.9	70.036	48.5

* HMW and LMW is VEEV E3E2, therefore the equivalent to a purity of 90.6%

Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at services@ibtbioservices.com

Related Products:

IBT provides a wide array of anti-filovirus specific antibodies, recombinant proteins, and other infectious disease reagents. Please see our website, www.ibtbioservices.com for more details.

Intended for research use only, not for human, therapeutic, or diagnostic applications.

The buyer cannot sell or otherwise transfer this product for Commercial Purposes without written approval of Integrated BioTherapeutics, LLC.

Copyright 2024. Integrated BioTherapeutics, LLC. All rights reserved.