

# Recombinant EBOV VP24

Catalog No: tcip3005



## Available Sizes

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**Size:** 100µg

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## Specifications

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**Application:**

ELISA, WB

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**Research Area:**

Virology

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**Form:**

Frozen Liquid

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**Concentration:**

Supplied in Tris buffered saline, at a concentration of 2.279 mg/mL

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**Recommended Dilution:**

Western Blot: Assay-dependent dilution ELISA: Assay-dependent dilution

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**Purity / Grade:**

Column chromatography

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**Storage Instruction:**

store aliquots at -80°C to avoid multiple freeze/thaw cycles.

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**Relevance:**

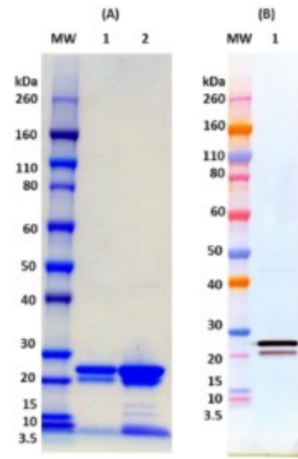
Recombinant EBOV VP24 matrix protein provides a means as a control protein for immunoassays and a tool to enhance Filovirus research.

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## Product Description

Recombinant, HIS-tagged, purified Ebola virus (EBOV) matrix protein (VP24) is expressed in E. coli and the recombinant protein purified using FPLC.

**SDS-PAGE and Western Blot**



The theoretical molecular weight of the protein is ~25 kDa. (A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (lanes 1-2) of EBOV VP24 protein under denaturing and reducing conditions. MW denotes Novex Sharp pre-stained protein markers. (B) Anti-EBOV VP24 antibody (tcia140) at 100 ng/mL detected 100 ng of EBOV rVP24 (lane 1) by Western Blot Analysis. Western Blots were developed using an anti-rabbit IgG-HRP conjugate and TMB Membrane substrate. MW denotes Novex<sup>®</sup> Sharp pre-stained protein markers.

**ELISA Data:**

Anti-EBOV VP24 Antibody (µg/mL)	EBOV VP24 @ 3 µg/mL
10.0000	3.928
3.1623	3.974
1.0000	3.758
0.3162	3.582
0.1000	2.959
0.0316	1.861
0.0100	0.809
0.0032	0.329
0.0010	0.151
0.0003	0.085
0.0001	0.082
0.0000	0.082
	OD 650nm

rVP24 protein was diluted to 3 µg/mL in PBS for plate coating. Anti-EBOV VP40 antibody was serially diluted semi-log from 10 µg/mL and incubated on the coated plates. Washed plates were detected with anti-rabbit IgG-HRP conjugate and TMB substrate. OD<sub>650</sub> is reported above.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!