

Anti-NP (Zaire Ebolavirus/Mayinga 1976) Rabbit Polyclonal Antibody

CATALOG NUMBER: ZEB-NP-011, 100 µg

Introduction

The Ebola virus (EBOV) is a mononegavirus which contains a 19 kb single-stand RNA encoding seven proteins. Rates of genetic change of ebolavirus are 100 times slower than influenza A in humans, but on the same magnitude as those of hepatitis B.

The 739 amino acid nucleoprotein (NP) of Ebola virus is the largest nucleoprotein of the non-segmented negative-stranded RNA viruses, and like the NPs of other viruses, it plays a central role in virus replication.

Applications

Western blot (1:200-2,000), ELISA (1:1,000-100,000), IP, etc.

Description

Rabbit polyclonal antibody

Immunogen

Genetic immunization using DNA vaccine expressing full length nucleoprotein (NP) (aa 1-739) of Zaire Ebolavirus (Mayinga 1976) (GenBank Accession No. AF086833)

Specificity

Reacts with NP protein of Zaire Ebolavirus (Mayinga 1976). Cross-reactivity to other EBOV subtypes or strains not tested.

Purification

Immunoaffinity chromatography

Isotype

IgG

Storage

Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous, no MSDS required.

Concentration

2 µg/µl in PBS with 0.1% gelatin plus 0.1% sodium azide

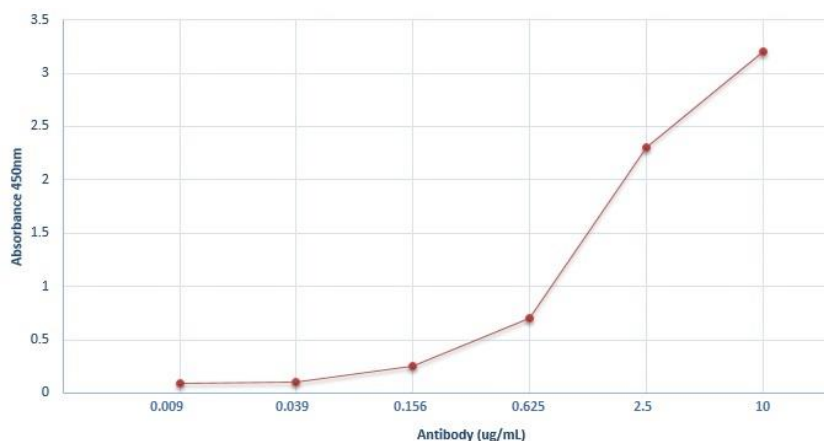


Figure 1. Titration curves of anti-NP rabbit polyclonal antibody to ebolavirus nucleoprotein.