Mount Elgon Bat Virus, BP-846

Catalog No. NR-17790

For research use only. Not for human use.

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Manufacturer:
BEI Resources

Product Description:

Virus Classification: Rhabdoviridae, Ledantevirus
Species: Mount Elgon bat virus (also referred to as Mount Elgon bat ledantevirus)
Strain/isolate: BP-846

Original Source: Mount Elgon bat virus (MEBV), BP-846 was isolated from the salivary glands of a male horseshoe bat (Rhinolophus hildebrandti eloquens) in Mount Elgon, Kenya in 1964.1,2

Comments: A partial genome of MEBV, BP-846 has been sequenced (GenBank: KM205026). In order to remove contaminating mycoplasma, the deposited material was passaged three times in the presence of mycoplasma elimination reagent.

Rhabdoviridae are non-segmented single strand RNA viruses found widely dispersed in plants and animals worldwide.3 MEBV belongs to the Kern Canyon serogroup of viruses and is related to many viruses isolated from Asian and African bat species.4 MEBV invasion and replication has been studied in Cercopithecus aethiops kidney epithelial cells infected with MEBV, BP-846.5

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from Cercopithecus aethiops kidney epithelial cells infected with MEBV, BP-846.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:
NR-17790 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:
Host: Cercopithecus aethiops kidney epithelial cells (Vero E6; ATCC® CRL-1586™)
Growth Medium: Eagle’s Minimum Essential Medium containing Earle’s Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate and 1.5 g/L of sodium bicarbonate supplemented with 2% fetal bovine serum, or equivalent

Cytopathic Effect: Cell rounding and sloughing

Incubation: 3 to 5 days at 37°C and 5% CO2

Infection: Cells should be 70% to 90% confluent

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Mount Elgon Bat Virus, BP-846, NR-17790.”

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm

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References:


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