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 mice where the brain has been shown as the target organ.[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
Infection: Cells should be 70% to 90% confluent
Incubation: 3 to 5 days at 37°C and 5% CO_2
Cytopathic Effect: Cell rounding and sloughing

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:
1. Calisher, C. H., Personal Communication.
2. "Mount Elgon Bat (MEB) Strain. BP 846." Am. J. Trop. Med. Hyg. 19 (1970): 1119-1120. PubMed: 4395313.

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3. Walker, P. J., et al. "Evolution of Complexity and Genome Size in the *Rhabdoviridae*." PLoS Pathogen 11 (2015): e1004664. PubMed: 25679389.
4. Blasdell, K. R., et al. "*Ledantevirus*: A Proposed New Genus in the *Rhabdoviridae* has a Strong Ecological Association with Bats." Am. J. Trop. Med. 92 (2015): 405-410. PubMed: 25487727.
5. Patel, J. R. "Effect of Virus Antibody on Infection of Mouse Brain by Mount Elgon Bat Virus." J. Med. Microbiol. 15 (1982): 131-134. PubMed: 7143421.

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