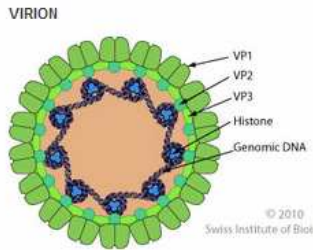


Product Specification Sheet

Murine Norovirus 1 Capsid Protein 1 (MNV-VP1) Antibodies and Controls

<input type="checkbox"/> KVP11-MNC	Mouse Anti-Polyomavirus (KV, Pneumotropic virus) Capsid Protein 1 (VP1) antibody negative control serum	1 ml
<input type="checkbox"/> KVP11-MPC	Mouse Anti-Polyomavirus (KV, Pneumotropic virus) Capsid Protein 1 (VP1) antibody positive control serum	1 ml
<input type="checkbox"/> KVP12-RNC	Rat Anti- Polyomavirus (KV, Pneumotropic virus) Capsid Protein 1 (VP1) antibody negative control serum	1 ml
<input type="checkbox"/> KVP12-RPC	Rat Anti- Polyomavirus (KV, Pneumotropic virus) Capsid Protein 1 (VP1) antibody positive control serum	1 ml

Animals, just like humans, are susceptible to various bacterial and viral infections. Animals are used widely in biomedical research. Laboratory animal infections may compromise the health of the animals and ultimately the research data derived from them. Microbial infections alter not only the animal behavior but also the biological responses. Apart from the use of whole animals for experimentations, numerous animal cell lines and proteins are also derived from animals and used in biomedical research. Animals or animal-derived products are transported from one part of the world to another in a matter of days. So there is great potential for the diseases to spread very quickly. Many infections are asymptomatic and without any overt clinical symptoms. Detection of microbial infections has relied largely on serological screening and presence of microbial antigens or antibodies.



Mouse polyomavirus is a member of the family Papovaviridae. It is a dsDNA virus. It has been shown to cause asymptomatic infections in laboratory and wild mice. The virus is one of the few tumor viruses amenable to study in its natural host. When inoculated as newborns, mice of certain genetic backgrounds

develop an array of solid tumors arising from at least a dozen distinct cell types. By 3-4 months of age, individual animals typically bear tumors of multiple types and with a combined tumor mass that may approach 25% or more of total body weight. PyV is antigenically different from the K virus (aka pneumotropic Kilham strain). The viruses are distinct from each other after examination with six different restriction endonucleases which revealed no similarities between both DNAs. Studies indicate there is no homology between PyV and the Kilham mouse polyoma virus. Mouse polyoma virus KV strain (mouse pneumotropic virus or myotis polyoma virus) VP1 (373-aa, protein accession # P24595-1) is highly antigenic protein..

Source of Antibodies

Pooled Rat serum (Sprague-Dawley, adult, mixed sex) or mouse (Balb/c, adult, mixed sex) containing antibodies to Sev as tested by ADI ELISA (#AE-300100-1). The positive serum tested positive with A450 values of >2.0. The negative serum produced A450 values of >0.3. Control sera are provided in PBS, pH 7.5 containing 0.1% proclin-300 (preservative) in liquid or lyophilized in the same buffer. Store liquid at 4°C for up to 3 months at 4°C or frozen in suitable size aliquots. Store powder at -20°C. Reconstitute the powder in 1 ml water.

Recommended as positive and negative controls for anti-Sev IgG by ELISA. The controls may or may not be antibody positive against the individual viral proteins.

Use undiluted in 50-100 µl per well or dilute as necessary depending upon the sensitivity of the detection.

References: Faisca P (2006) Res. Vet. Sci. 82, 115-125; Kraft V (1986) Lab. Anim. 36, 271-276; Eaton GJ (1982) Lab. Anim. Sci. 32, 384-386; Schioda T (1983) Nucl. Acid. Res. 11, 7317-7330; Parker JC (1979) C. Clin. Microbiol. 9, 444-447; Ishida N (1978) Adv. Vir. Res. 23, 349-383; Fox JG (1984) Lab. Anim. Med. pp62-65; Wan C-H (1995) J. Clin. Microbiol. 2007-2011

*This product is for In vitro research use only.

Related material available from ADI

Catalog#	ProdDescription
KVP11-MNC	Mouse Anti-Sendai/(SeV/Parainfluenza virus 1) antibody negative control serum
KVP11-MPC	Mouse Anti-Sendai/(SeV/Parainfluenza virus 1) antibody positive control serum
KVP11-S	Chicken Anti-Sendai/(SeV/Parainfluenza virus 1) antiserum
KVP12-RNC	Rat Anti-Sendai/(SeV/Parainfluenza virus 1) antibody negative control serum
KVP12-RPC	Rat Anti-Sendai/(SeV/Parainfluenza virus 1) antibody positive control serum
KVP12-S	Goat Anti-Sendai/(SeV/Parainfluenza virus 1) antiserum
AE-300100-1	RecombiVirus Mouse Polyomavirus (KV, Pneumotropic virus) Antibody ELISA Kit, 96 tests
KVP11-MNC	121126A

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