
Anti-Sheepox Virus SPPV_49 Monoclonal Antibody (MP-K3044) (Mouse IgG)

Cat: MPYF-1222-KX1578

This product is for research use only and is not intended for diagnostic use.

The antibody customized production platform is used to screen the mouse monoclonal antibodies with at least 5 synthetic peptides of Sheepox Virus SPPV_49. The mAb with highest affinity will be selected. The selected antibody recognizes Sheepox Virus SPPV_49. The isotype is Mouse IgG. It can be used in applications: WB (Other applications need to be tested.).

Product Description

Target	SPPV_49
Species Reactivity	Sheepox Virus
Strain	TU-V02127
Cross Reactivity	SPPV_49
Specificity	This antibody recognizes Sheepox Virus SPPV_49.
Antibody Isotype	Mouse IgG
Clone	MP-K3044
Clonality	Monoclonal Antibody
Purity	≥95% (SDS-PAGE)
Purification	Purified by Protein A/G chromatography.
Applications	WB (Other applications need to be tested.)
Buffer	PBS, pH 7.4
Storage	Store at 4°C for short term (1 week), store at -20°C to -80°C for long term (1 year). Avoid repeated freeze-thaw cycles.

Target

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Gene Name	SPPV_49
Introduction	The sheepox virus is a poxvirus belonging to the genus Capripoxvirus. The natural hosts of SPV are domesticated and wild sheep. The younger and older populations of the sheep and lactating sheep are more susceptible to SPV. SPV infection causes a devastating viral systemic disease that is defined by constant fever, widespread skin pox lesions, vesicles on non-wool skin, generalized papules or

nodules, internal lesions of the respiratory and gastrointestinal mucosa, and ultimately leads to death.

Alternative Names	SPPV_49; glutaredoxin-like protein; functions as an electron carrier in the glutathione-dependent synthesis of deoxyribonucleotides; utilizes glutathione and NADPH as cofactors; The poxviridae are enveloped unsegmented dsDNA viruses; unlike many dsDNA viruses that replicate in the host nucleus poxviruses encode their own replication machinery and therefore replicate in the cytoplasm; viral genes are expressed in a bi-phasic manner with early genes encoding non-structural proteins involved in genome replication and late genes encoding the viral structural proteins
Official Symbol	glutaredoxin family protein
Gene ID	944605
UniProt ID	A0A3F2YKK6
