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Antibodymall by Ringbio

Product Datasheet

Product Information	
Product	Anti ASFV P72 monoclonal antibody
Product Code	CAB056
Package Size	1.0mg
Specificity	100% to ASF, no cross reaction with other swine disease virus.
Clone type	Mouse monoclonal
Clone #	7A7
Purification	By protein G
Antigen	Recombinant p72
Form	Lyophilized powder or liquid.
Conjugate	Unconjugated
Storage	-20°C for long term storage and normal temperature for shipment.

Product Description	
Description	ASFV is a large, icosahedral, double-stranded DNA virus with a linear genome of 189 kb containing more than 180 genes. The number of genes differs slightly among different isolates of the virus. ASFV has similarities to the other large DNA viruses, e.g., poxvirus, iridovirus, and mimivirus. In common with other viral hemorrhagic fevers, the main target cells for replication are those of monocyte, macrophage lineage. Entry of the virus into the host cell is receptor-mediated, but the precise mechanism of endocytosis is presently unclear. P72 is the major capsid protein of ASFV. Based on sequence variation in the C-terminal region of the B646L gene encoding p72, 22 ASFV genotypes (I–XXIII) have been identified. All ASFV p72 genotypes have been circulating in eastern and southern Africa. Genotype I has been circulating in Europe, South America, the Caribbean, and western Africa. Genotype VIII is confined to four East African countries.
Accession #	AAT84439.1
Gene Symbol	P72, B646L
Uniprot ID	Q5IZK2
Application Notes	The monoclonal antibody is only for research purpose. This product has been validated by ELISA, lateral flow immunoassay. Please read the data sheet carefully before experiment. Dilutions shall be determined by customer in their own laboratory.

References

1. https://en.wikipedia.org/wiki/African_swine_fever_virus
2. https://www.oie.int/en/animal-health-in-the-world/animal-diseases/african-swine-fever/
3. https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/animal-disease-information/swine-disease-information/african-swine-fever/african-swine-fever
4. P. Sastre et al, Development of a novel lateral flow assay for detection of African swine fever in blood, BMC Vet Res. 2016; 12: 206. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5025629/