

| Product Information | |
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| Product | Anti ASFV P30 monoclonal antibody |
| Product Code | CAB074 |
| Package Size | 1.0mg |
| Specificity | 100% to ASF, no cross reaction with other swine disease virus. |
| Clone type | Mouse monoclonal |
| Clone # | 8B8 |
| Purification | By protein G |
| Antigen | Recombinant p30 protein |
| Form | Lyophilized powder or liquid. |
| Conjugate | unconjugated |
| Storage | -20°C for long term storage and normal temperature for shipment. |
| Product Description | |
| Description | <p>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.</p> <p>The p30 protein of ASFV is the most abundantly expressed viral protein. It is reported to be antigenic and has recognized phosphorylation, glycosylation, and membrane attachment sites, which also shows that the C-terminal region of p30 is more active than the N-terminal region.</p> |
| Accession # | NC_001659.2 |
| Gene Symbol | P30 |
| Uniprot ID | CP204L |
| Application Notes | <p>The monoclonal antibody is only for research purpose.</p> <p>This product has been validated by ELISA, lateral flow immunoassay.</p> <p>Please read the data sheet carefully before experiment.</p> <p>Dilutions shall be determined by customer in their own laboratory.</p> |
| References | |
| <ol style="list-style-type: none"> https://en.wikipedia.org/wiki/African_swine_fever_virus https://www.oie.int/en/animal-health-in-the-world/animal-diseases/african-swine-fever/ https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/animal-disease-information/swine-disease-information/african-swine-fever/african-swine-fever Hernaez, B., Escribano, J. M., & Alonso, C. (2008). African swine fever virus protein p30 interaction with heterogeneous nuclear ribonucleoprotein K (hnRNP-K) during infection. FEBS letters, 582(23-24), 3275–3280. https://doi.org/10.1016/j.febslet.2008.08.031 | |