

Anti-Nsp9 [Nb6] Standard Size Ab03518-23.159

Isotype and Format: Rabbit IgG-Fc fusion

Clone Number: Nb6

Alternative Name(s) of Target: nonstructural protein 9; PRRSV; Replicase polyprotein 1ab; ORF1ab polyprotein

UniProt Accession Number of Target Protein: Q8B912

Published Application(s): inhibition

Published Species Reactivity: Porcine reproductive and respiratory syndrome virus

Immunogen: A Bactrian camel was immunized with recombinant Nsp9 protein and a VHH library was constructed. The antibody was isolated by panning against Nsp9.

Specificity: The antibody is specific for Nsp9 of PRRSV (strains SD-16, JXA1, GD-HD, and VR2332). Nsp9 possesses RNA-dependent RNA polymerase (RdRp) activity that is essential for genome replication and transcription.

Application Notes: MARC-145 cell lines stably expressing Nb6 were established and infected with PRRSV strain SD-16. Virus infection was strongly suppressed in MARC-145-Nb6 as shown by IFA. Further, the antibody could inhibit PRRSV replication (Liu et al., 2015; PMID: 26525739).

Antibody First Published in: Liu et al. An intracellularly expressed Nsp9-specific nanobody in MARC-145 cells inhibits porcine reproductive and respiratory syndrome virus replication Vet Microbiol. 2015 Dec 31;181(3-4):252-60. [PMID:26525739](#)

Note on publication: The original paper describes the generation and characterization of the antibody

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.