Anti-SIV-NP [sdAB5] Standard Size Ab03512-23.159

Isotype and Format: Rabbit IgG-Fc fusion
Clone Number: sdAB5
Alternative Name(s) of Target: NP; nucleoprotein; Nucleocapsid protein; Protein N
UniProt Accession Number of Target Protein: P16985
Published Application(s): WB, ELISA
Published Species Reactivity: Swine Influenza Virus
Immunogen: A VHH library was constructed from peripheral blood mononuclear cells (PBMCs) of an immunized Bactrian camel with SIV-NP recombinant protein, and the antibody was isolated by panning against SIV-NP.
Specificity: The antibody is specific for SIV-NP protein. The antibody does not cross-react with PCV2, PEDV, PRRSV, PRV, and CSFV.
Application Notes: The specificity of the original format of the antibody was confirmed by ELISA analysis. The antibody detected the SIV-NP by western blot analysis. A blocking ELISA based on the biotinylated antibody was developed for SIV detection (Du et al, 2019; PMID: 31819435).
Antibody First Published in: Du et al. Biotinylated Single-Domain Antibody-Based Blocking ELISA for Detection of Antibodies Against Swine Influenza Virus Int J Nanomedicine. 2019 Nov 29;14:9337-9349. PMID:31819435
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 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
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.