

Anti-SIV-NP [sdAB5] Bulk size M Ab03512-1.159-BS

Isotype and Format: Mouse IgG1-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: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: See vial label

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