Anti-PERV p27 [D2] Standard Size Ab02001-10.159

This chimeric human antibody was made using the variable domain sequences of the original VHH format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1-Fc fusion
Clone Number: D2
Alternative Name(s) of Target: Porcine Endogenous Retrovirus; gag protein; p27 capsid protein
UniProt Accession Number of Target Protein:
Published Application(s): WB
Published Species Reactivity: Porcine Endogenous Retrovirus
Immunogen: This variable heavy chain fragment was prepared by immunization of a young adult male Llama glama with a purified 60-kDa PERV-B gag protein. The gag protein was prepared by amplifying PERV-B gag cDNA from PK15 cell RNA using a forward and reverse primer and later on cloning it into the pET-30a expression vector.
Specificity: This antibody recognizes and binds the gag polyprotein and specifically recognizes the p27 major capsid protein of the porcine endogenous retrovirus.
Application Notes: This variable single heavy chain antibody to 60kDa gag polyprotein and p27 major capsid protein of the PERV and its binding was confirmed by Western blotting. This antibody could not reduce the (PERV-A/B) virus protein production when it is intracellularly expressed in PK cells (Dekker et al., 2003).
Antibody First Published in: Dekker et al. Intracellularly expressed single-domain antibody against p15 matrix protein prevents the production of porcine retroviruses. J Virol. (2003); 77(22):12132-9. PMID:14581550
Note on publication: Describes the generation and intracellular expression of a llama single domain antibody against p15 matrix protein of PERV.

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 -

20^{o}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.