

Anti-PERV p27 [D2] Bulk Size Ab02001-1.159-BT

This chimeric mouse 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: Mouse 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: 500 µg 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: 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.