Anti-TGEV Coronavirus Spike glycoprotein [1AF10] Standard Size Ab02090-23.0

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

Isotype and Format: Rabbit IgG, Kappa
Clone Number: 1AF10
Alternative Name(s) of Target: Spike glycoprotein; spike protein; S glycoprotein; E2; Peplomer protein; Porcine transmissible gastroenteritis coronavirus;
UniProt Accession Number of Target Protein: P07946
Published Application(s): NTRL, RIA, WB, ELISA
Published Species Reactivity: TGEV coronavirus
Immunogen: The original antibody was generated by immunizing mice with native transmissible gastroenteritis virus (TGEV).
Specificity: This antibody recognizes and binds the amino acid sequence 537-MKRSGYGQPIA-547 of the TGEV.
Application Notes: This antibody is capable of neutralizing the transmissible gastroenteritis virus (TGEV) and can recognize the TGEV in a immunodot blot assay. The antigenic site of the S glycoprotein of TGEV where the mAb binds was identified by competitve RIA (PMID: 2453977). THis antibody can also recognize TGEV spike protein in an ELISA (PMID: 1711257).
Antibody First Published in: Correa et al. Antigenic structure of the E2 glycoprotein from transmissible gastroenteritis coronavirus. Virus Res. (1988); 10(1): 77–93. PMID:2453977
Note on publication: Describes the generation of nuetralizing mAbs againt the transmissible gastroenteritis virus (TGEV) E2 glycoprotein.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4^{0}C 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.