

Product Sheet



QVQ

QUALITY IN ANTIBODIES

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Rabbit anti VHH antibody

Catalogue no.: QE19

Product: Polyclonal protein A-purified rabbit antibody against llama single domain antibodies

Target: Animals from the camelidae family (i.e. camels, llamas and alpacas) contain a particular class of antibodies that are devoid of light chains. These so-called heavy chain-only antibodies (HcAbs) undergo normal selection and maturation by the animals' immune system. For this reason, HcAbs and their variable domains (VHHs, sdAb or Nanobody), can exhibit high affinities (nM range) and serum stability.

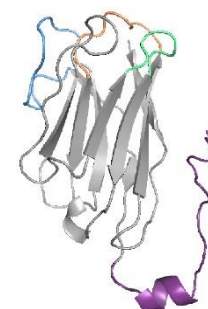
Source: Protein A-purified polyclonal rabbit antibodies.

Specificity: Detects llama single domain antibodies (VHH) with little to no cross-reactivity to conventional human, rat and mouse IgG1.

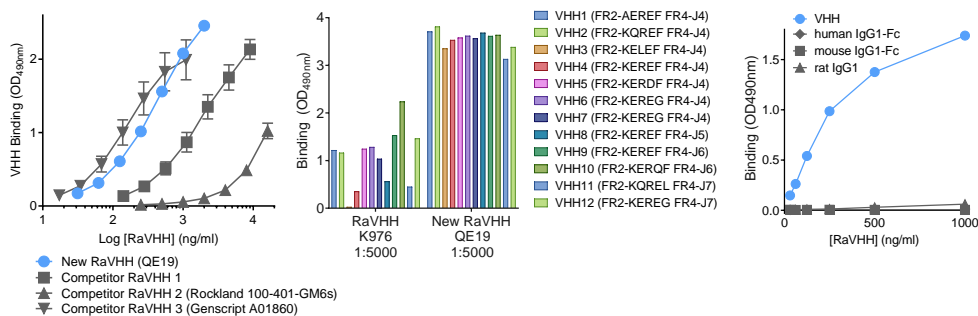
Formulation: 1 mg/ml purified antibody in PBS.

Storage: Shipped on blue ice. Store at 4 °C or -20 °C (aliquots). Addition of 0.02% sodiumazide is optional.

Applications:
ELISA (≈ 1:5000 dilution)
FACS (≈ 1:1000 dilution)
IF/IHC (≈ 1:1000 dilution)



Example:



Left: detection of VHH by QE19 and three different competitor rabbit-anti-VHH. Middle: detection of VHH from different germline families by QE19. Data points are averages of 12 ELISAs on 12 different VHH with different germline and CDR sequences. Right: detection of Fc domains from human, murine or rat IgG1 by QE19. Bound antibodies were detected using donkey-anti-rabbitHRP and OPD as substrate.

References:

- 1 Pronk et al., (2021) Biomolecules, 11(7):927
- 2 van Lith et al., (2022) Mol Pharm, 19(10):3511-3520