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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-African horse sickness virus [Lca12] Standard Size Ab03604-23.0

This full-length, chimeric rabbit antibody was made using the variable domain sequences of the original Chicken scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Lambda

Clone Number: Lca12

Alternative Name(s) of Target: AHSV; complete virus; whole cells

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: African horse sickness virus (AHSV)

Immunogen: This antibody was generated by panning against purified virus using a antibody library from five different 5-week old white leghorn hens.

Specificity: This antibody is specific for the african horse sickness virus. It is the pathogen that causes african horse sickness in horses, mules and donkeys.

Application Notes: To show that this antibody can detect virus particles, a sandwich ELISA was performed on African horse sickness virus, it showed a positive result (van Wyngaardt et al, 2004; pmid: 15059288). A DAS-ELISA was performed on the scFv version of this antibody using AHSV-3 as antigen, it showed a limit of detection of 2 ng and reacted very strongly to the AHSV-3 serotype and very little with other serotypes (van Wyngaardt et al, 2013; pmid:23388433).

Antibody First Published in: van Wyngaardt et al. A large semi-synthetic single-chain Fv phage display library based on chicken immunoglobulin genes. BMC Biotechnol. 2004 Apr 1;4:6. [PMID:15059288](#)

Note on publication: A large library of recombinant filamentous bacteriophages displaying single chain antibody fragments derived from combinatorial pairings of chicken variable heavy and light chains was constructed. Synthetically randomised complementarity determining regions are included in some of the heavy chains. Single chain antibody fragments that recognise haptens, proteins and virus particles were selected from this repertoire.

Product Form

Size:

100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.