HRP conjugated Monoclonal Anti-Camelid VHH Antibody, Rabbit IgG (M1A11)

Catalog # CAH-HY2491a

Source

Monoclonal Anti-Camelid VHH Antibody, Rabbit IgG (M1A11) is a recombinant rabbit monoclonal antibody expressed in HEK293 cells.

Clone

M1A11

Species

Rabbit

Isotype

Rabbit IgG | Rabbit Kappa

Conjugate

HRP

Reactivity

Alpaca VHH, Humanized VHH

Immunogen

Recombinant VHH is expressed in *E. coli*

Specificity

This antibody can react with Humanized and Alpaca VHHs. No cross-reactivity was observed with human IgG1, human IgG4, mouse IgG1, mouse IgG2a, mouse IgG2b, rabbit IgG, or rat IgG at concentrations below 1 μg/mL.

Purity

90% as determined by SDS-PAGE.

Purification

Protein A purified / Protein G purified

Formulation

Lyophilized from a 0.22 μm-filtered solution in PBS (pH 7.4), with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

For best performance, we strongly recommend following the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored in a lyophilized state at -20°C or lower.

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

Cross Verification

This antibody can react with Humanized and Alpaca VHHs.

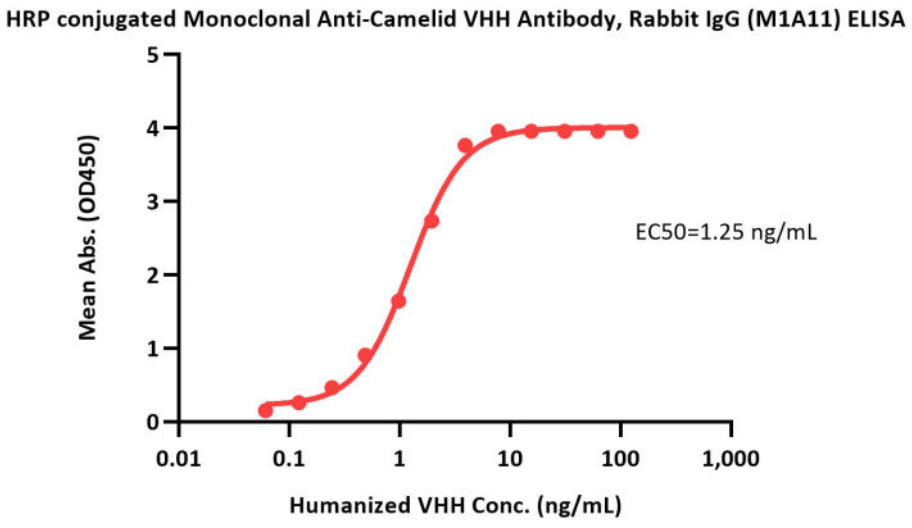
No cross-reactivity was observed with human IgG1, human IgG4, mouse IgG2a, rabbit IgG, and rat IgG.

Weak cross-reactivity was observed with mouse IgG1 or mouse IgG2b at concentrations below 1 μg/mL.

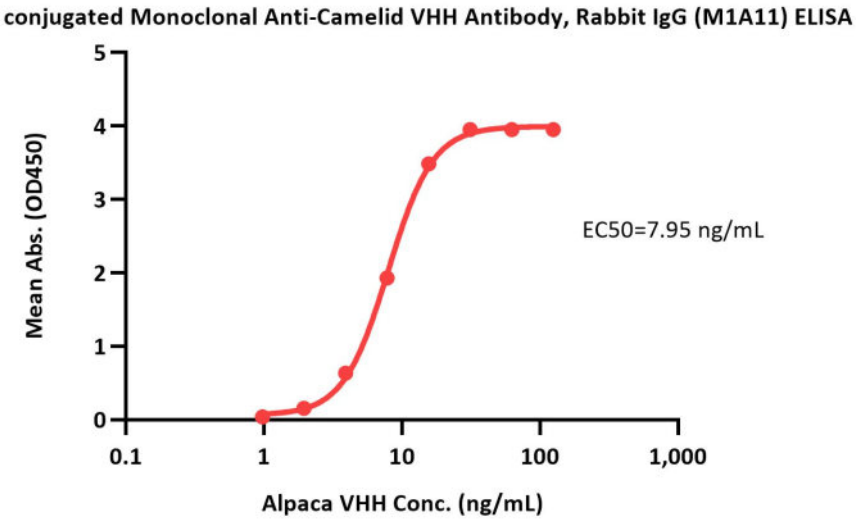
ACRO Quality Management System

- QMS(ISO, GMP)
- Quality Advantages
- Quality Control Process

Bioactivity-ELISA



Binding activity of HRP-Labeled Monoclonal Anti-Camelid VHH Antibody, Rabbit IgG (M1A11) (Cat. No. CAH-HY2491a) to the Humanized VHH, as determined by ELISA. The Antigen was coated at 1 μg/mL, Humanized VHH antibody was serially diluted starting from 125 ng/mL, and HRP-Labeled Monoclonal Anti-Camelid VHH Antibody, Rabbit IgG (M1A11) (Cat. No. CAH-HY2491a) was added at 0.05 μg/mL (QC tested).



Binding activity of HRP-Labeled Monoclonal Anti-Camelid VHH Antibody, Rabbit IgG (M1A11) (Cat. No. CAH-HY2491a) to the Alpaca VHH, as determined by ELISA. The Antigen was coated at 1 μg/mL, Alpaca VHH antibody was serially diluted starting from 125 ng/mL, and HRP-Labeled Monoclonal Anti-Camelid VHH Antibody, Rabbit IgG (M1A11) (Cat. No. CAH-HY2491a) was added at 0.05 μg/mL (QC tested).

Background

Single-domain antibodies, known as VHH antibodies or Nanobodies, are single variable domain fragments derived from heavy-chain antibodies, with a peptide length of around 110 amino acids. These fragments maintain the ability to specifically bind target antigens. Featuring small size, simple production and high affinity, VHH antibodies have broad applications. Our HRP-labeled anti-camelid VHH antibodies can be used for the screening of VHH antibodies.