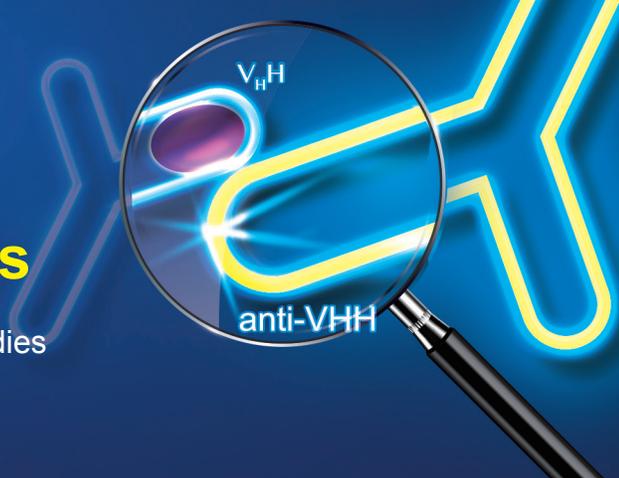


MonoRab™ Anti-Camelid VHH Antibodies

Unique Tools for Detecting Camelid Single Domain Antibodies

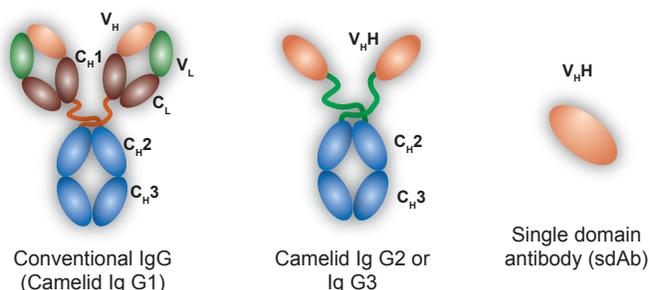


Humanization, miniaturization and dual function are the trends for antibody drug development. Since camelid single domain antibodies (sdAbs or V_HHs) are so small, they do not need to be humanized, but still have a high affinity. They are an ideal option for antibody drug discovery and are also being developed for CAR-T therapies.

GenScript now offers the only recombinant rabbit monoclonal (MonoRab™) Anti-Camelid VHH for identifying target-specific sdAbs. No tag is necessary for detection.

What is sdAb or V_HH

- Most antibodies are composed of two heavy and two light chains and both chains contribute to the antigen-binding site.
- In addition to these conventional antibodies, llamas, camelids, and sharks also produce antibodies composed only of heavy chains.
- The antigen-binding site of these unusual heavy chain antibodies (hcAbs) is formed only by a single domain, designated as single domain antibodies (sdAbs) or variable domain of heavy chain of hcAbs (V_HHs).



Applications of MonoRab™ rabbit anti-camelid VHH mAbs

- VHH antibody screening or titer determination
- Selection of heavy chain antibody-expressing B cells in peripheral blood mononuclear cells (PBMC)
- Expression evaluation and sorting of CAR-T cells harboring a camelid single domain antibody

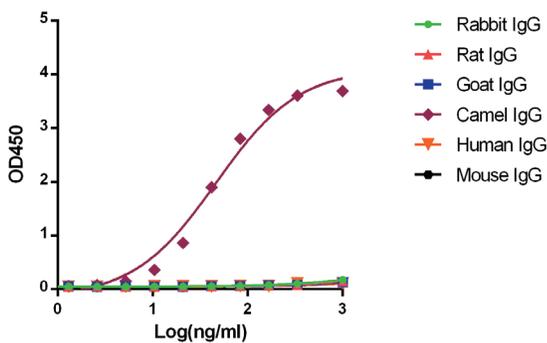
Product List

Product Name	Cat. No
MonoRab™ Rabbit Anti-Camelid VHH Antibody, mAb	A01860-200
MonoRab™ Rabbit Anti-Camelid VHH Antibody [HRP], mAb	A01861-200
MonoRab™ Rabbit Anti-Camelid VHH Antibody [iFluor488], mAb	A01862-200
MonoRab™ Rabbit Anti-Camelid VHH Antibody [iFluor555], mAb	A01863-200

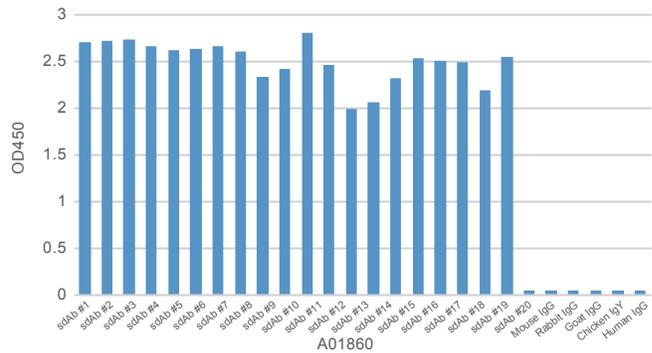
Key Features

- **MonoRab™** technology guarantees high affinity: $K_d \approx 10^{-11}M$
- No cross reactivity with other species
- Recognizes the variable domain of the camelid antibody
- Specific to camelid IgG2 & IgG3
- Recognizes conformational epitope

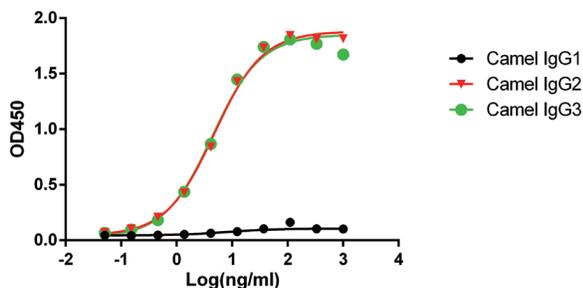
Cross reactivity of A01860 with IgG of different species



Binding compatibility with 20 different VHH and cross-reactivity with other IgGs



ELISA binding of A01860 with different subclasses of Camel IgG



ELISA of A01860 with denatured or native camelid IgG

