

Rev01
Update: May,17,2023

DATASHEET

MonoRab™ Rabbit Anti-Camelid VHH Antibody [PE], mAb

Cat. No.: A02227

Overview

Specificity	The product is specific for Camelid (Llama, Alpaca, and Camel) heavy chain antibodies (IgG2&3), but does not recognize the camelid conventional antibody (IgG1).
Host Species	Rabbit
Immunogen	Llama VHH antibody
Species Reactivity	It has no cross-reactivity with mouse, rat, rabbit, chicken, goat or human immunoglobulins.
Conjugate	PE

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Application	Recommended Usage
Flow Cytometry	1:500-1:2000

Properties

Form	Liquid
Storage Buffer	Supplied in PBS (pH 7.2), containing gelatin and 0.03% ProClin300.
Concentration	0.5 mg/ml
Storage Instructions	Stored at 4°C and it should be protected from prolonged exposure to light. Do not freeze. This product is stable for 1 year upon receipt, when handled and stored as Instructed.
Purification	Protein A affinity column

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Isotype	Rabbit IgG
Clonality	Monoclonal
Clone ID	96A3F5
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Background

Target Background : A Camelid VHH Antibody (also called single-domain antibody, sdAb or Nanobody by Ablynx) is a peptide chain of about 110 amino acids long, comprising one variable domain of a heavy-chain antibody. Like a whole antibody, it is able to bind selectively to a specific antigen. VHH antibodies allow a broad range of applications in biotechnical as well as therapeutic use due to their small size, simple production and high affinity.

Synonyms : Single-domain antibody, sdAb, Variable Domain of Heavy Chain of Heavy-Chain Antibody, Nanobody

Reference : 1. [Properties, production, and applications of camelid single-domain antibody fragments.](#)

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