

Rev04
Update: Oct,19,2022

DATASHEET

MonoRab™ Rabbit Anti-Camelid VHH Cocktail [Biotin]

Cat. No.: A02015

Overview

Specificity	GenScript MonoRab™ Rabbit Anti-Camelid VHH Cocktail [Biotin] is specific for Camelid VHH antibody (Llama, Alpaca and Camel). It has no cross-reactivity with mouse, rat, rabbit, goat or human immunoglobulins.
Host Species	Rabbit
Immunogen	Llama VHH antibody
Conjugate	Biotin

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by primary/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. Optimal working dilutions must be determined by the end user.

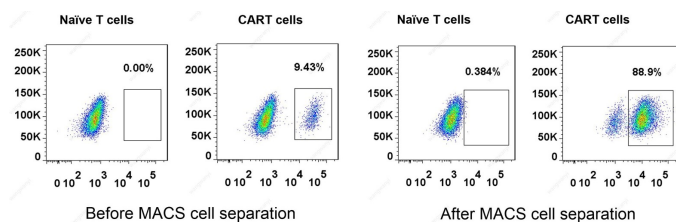
Application	Recommended Usage
ELISA	1:5,000-1:10,000
Western Blot	1:1,000-1:5,000
Flow Cytometry	1:50-1:800
Magnetic-activated cell sorting (MACS)	1:25-1:100

Properties

Form	Liquid
Storage Buffer	Supplied in PBS (pH 7.4), containing 10 mg/ml BSA, 0.02% sodium azide and 50% glycerol.
Concentration	0.5 mg/ml

Storage Instructions	Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed.
Purification	Protein A affinity column
Isotype	Rabbit IgG
Clonality	Cocktail
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



VHH-based CAR-T cells were sorted by MACS with MonoRab™ Rabbit Anti-Camelid VHH Cocktail [Biotin] (Cat.no A02015) and anti-Biotin magnetic nanobeads (Miltenyi) where naïve T cells serves as negative control. Then, the CAR- T cells were stained with MonoRab™ Rabbit Anti-Camelid VHH Cocktail [iFluor 555] (Cat.no A02020) and analyzed by FACS.

Background

Target Background : A camelid single-domain antibody (sdAb, called Nanobody by Ablynx, the developer) is a peptide chain of about 110 amino acids long, comprising one variable domain of a heavy-chain antibody, these are called VHH fragments. Like a whole antibody, it is able to bind selectively to a specific antigen. Single-domain antibodies allow a broad range of applications in biotechnical as well as therapeutic uses due to their small size, simple production and high affinity. GenScript MonoRab™ Rabbit Anti-Camelid VHH Cocktail [Biotin] is Biotin conjugated MonoRab™ Rabbit Anti-Camelid VHH Cocktail. The Cocktail is a unique secondary antibody, composed of several rabbit anti-Camelid VHH monoclonal antibodies.

Synonyms : Biotin conjugated rabbit anti-camelid VHH, single-domain antibody monoclonal antibody cocktail (Min X Ms, Rt, Rb, Gt, Hu).

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.