

Rev01  
Update: Dec,21,2023**DATASHEET**

# MonoRab™ Rabbit Anti-scFv Cocktail [iFluor 555]

Cat. No.: A02287

## Overview

|                     |   |
|---------------------|---|
| <b>Specificity</b>  | This product is specific for scFvs in different species (humanized, mouse) and different orders (VH-linker-VL, VL-linker-VH). It can also recognize various forms of scFv-based bispecific antibodies, such as DART, BITE, TandAbs, IgG(H)-scFv2, scFv-Fab-Fc, etc. |
| <b>Host Species</b> | Rabbit  |
| <b>Immunogen</b>    | This information is confidential and belongs to GenScript.  |
| <b>Conjugate</b>    | iFluor 555  |

## 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.

| <b>Application</b> | <b>Recommended Usage</b> |
|--------------------|--------------------------|
| Flow Cytometry     | 1 µg/ml-10 µg/ml         |

## Properties

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.2), containing 10 mg/ml BSA, 0.02% sodium azide and 50% glycerol.                |
| <b>Concentration</b>        | 0.5 mg/ml  |
| <b>Storage Instructions</b> | Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed. |
| <b>Purification</b>         | Protein A affinity column  |
| <b>Isotype</b>              | Rabbit IgG, κ  |
| <b>Clonality</b>            | Monoclonal antibody cocktail   |

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**Note** GenScript can customize this product per customer's request including product size, buffer components, etc.

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## Background

**Target Background :** A single chain fragment variable (scFv) is a type of recombinant antibody. It is approximately 25 kDa and consists of the variable regions of the heavy (VH) and light (VL) chains of an antibody, which are connected by a flexible peptide linker. scFvs have several advantages, including their small molecular weight, strong penetration, and high specificity. They play crucial roles in targeted therapy, imaging diagnosis, and biological detection. Importantly, in the field of cell therapy, scFvs can act as the antigen recognition domain of CAR-T cells and determine the targeting ability of these cells.

**Synonyms :** scFv; Single-chain fragment variable; Nanobody; Single chain antibody; VH and VL of an antibody; Single-chain variable region fragment; Single-chain fv; VH-linker-VL; VL-linker-VH

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生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China