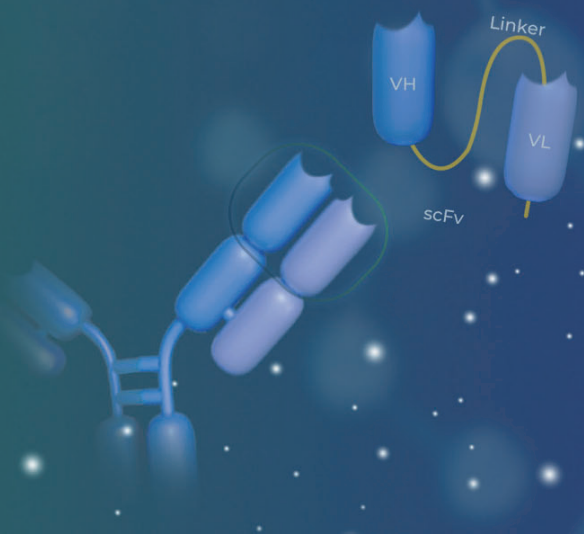
GenScript
Make Research Easy

Advancing scFv Discovery and Development

—MonoRab™ Anti-scFv Antibody



A single-chain variable fragment (scFv) is a recombinant antibody composed of the variable regions of an antibody's heavy (VH) and light (VL) chains, connected by a flexible linker (e.g., G4S or Whitlow/218). Known for their small size, strong tissue penetration, and high specificity. The scFvs properties make them vital in targeted therapy, diagnostic imaging, and biological detection. In CAR-T applications, scFvs serve as the antigen recognition domain, guiding CAR-T cells to specific targets.

GenScript is an industry leader in antibody research and reagent development, offering first-in-class anti-scFv antibodies. These antibodies enable the detection and characterization of scFv-based CAR-T cells by binding to conserved scFv sequences, supporting your research in scFv-based antibody drugs, bispecific antibodies, and CAR-T cell therapies.

Versatile Applicability

Uniquely designed to detect scFv from various sources, connection sequences, linkers, and scFv-based formats, including bispecific antibodies and CAR-T cells.

High Affinity

Demonstrates high affinity for scFv with a Kd < 10^9 M, powered by MonoRab™ technology.

High Sensitivity

Capable of detecting even the smallest concentrations of scFv in solutions.

High Consistency

A monoclonal antibody manufacturing process that consistently delivers high standards of quality, performance, and reliability.

Low Non-specificity

Minimizes non-specific signals in cells lacking CAR or scFv, ensuring precise detection.

Non-binding blocking

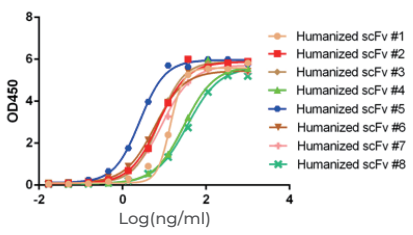
Engineered to bind scFv without interfering with its interaction with target antigens, maintaining essential functionality for effective immunotherapies.

Application data

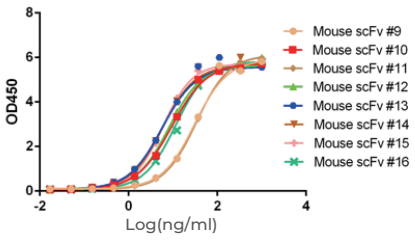
Detection of scFv from diverse sources

The anti-scFv antibody can specifically recognize scFv from different sources, different targets, as well as different forms of bispecific antibodies based on scFv.

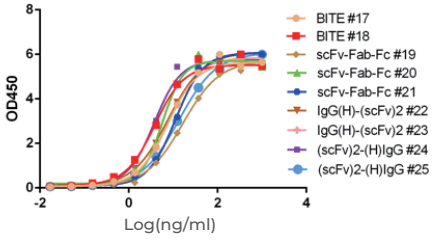
Binding Compatibility with Humanized scFvs



Binding Compatibility with Mouse scFvs

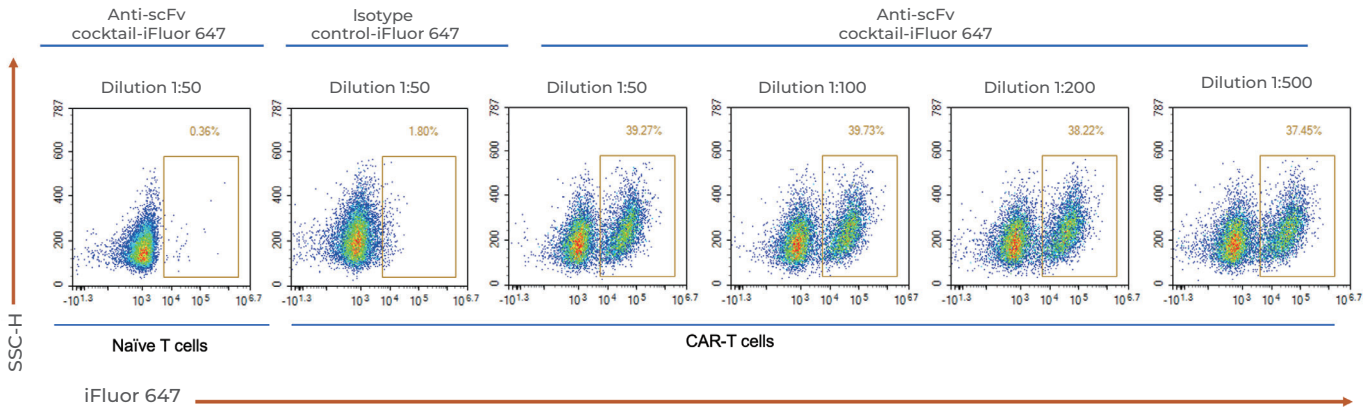


Binding Compatibility with Bispecific Antibodies



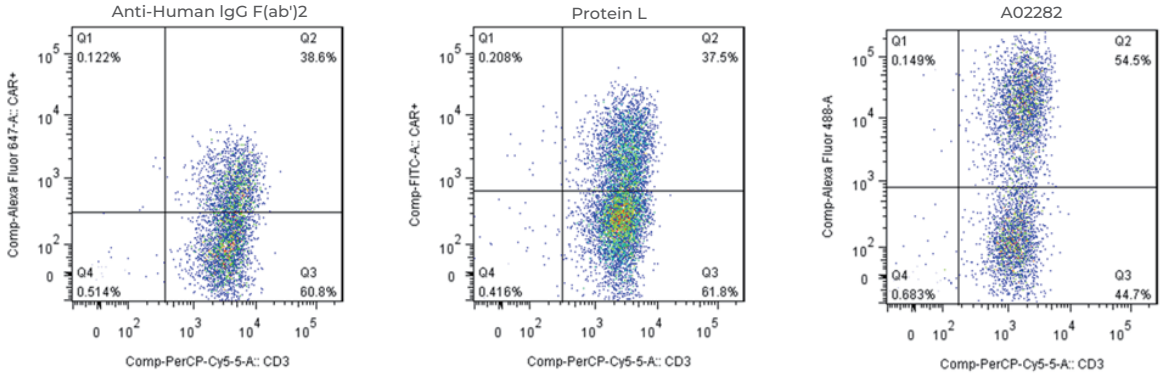
CAR-T cell characterization

Flow cytometry results show that anti-scFv antibodies at different dilution ratios can accurately detect the positive rate of CAR-T cells, and show extremely low non-specific binding to T cells. Therefore, this antibody can be used for the characterization of CAR-T cells.



Comparison of scFv-based CAR-T cell characterization tools

Flow cytometry results show that anti-scFv antibodies have better cell clustering effects and higher positive rates rather than Protein L and Anti-Fab antibodies in CAR-T cell characterization.



Anti-scFv antibody offerings and selection guide

Antibody Description	Unconjugated	Biotin	FITC Ex=491nm Em=516nm	PE Ex=565nm Em=574nm	iFluor 488 Ex=491nm Em=516nm	iFluor 555 Ex=557nm Em=570nm	iFluor 647 Ex=656nm Em=670nm	HRP
MonoRab™ Rabbit Anti-scFv Cocktail	A02282	A02283	A02284	A02285	A02286	A02287	A02288	A02289
Anti-scFv Antibody Cocktail (Min X)*		A02303		A02315	A02304		A02305	A02306

* No cross-reactivity to human IgG, mouse IgG, goat IgG and rabbit IgG.

More Information

GenScript

Anti-scFv Antibody

For more product details,
please scan the code to access the official website

Toll-Free: 1-877-436-7274 | Fax: 1-732-210-0262 | Telphone: 1-877-436-7274 | Email: product@genscript.com

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