

For Research Use Only

# anti-GFP recombinant VHH, 2x Cys for conjugation



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Catalog Number: **gtCys2**

## Basic Information

**Catalog Number:**  
gtCys2

**Applications:**  
Conjugation

**Host:**  
Alpaca

**Conjugate:**  
Unconjugated

**Type:**  
Nanobody

**Class:**  
Recombinant

**RRID:**  
AB\_3665976

**Molecular Weight:**  
13.9 kDa

## Description

Alpaca anti-GFP recombinant VHH, 1x Cys or 2x Cys contain 1 or 2 reactive Cysteines for Maleimide conjugation with a suitable reagent of your choice.

## Affinity

1 pM

## Background

Green Fluorescent Proteins (GFPs) encompass a diverse range of proteins carrying a green chromophore, originating from various species and forming different protein lineages. Wildtype GFP consists of 238 amino acid residues (26.9 kDa). GFP was first identified in the jellyfish *Aequorea victoria*. It emits green light with a peak wavelength of 509 nm upon excitation by blue light at 395 nm.

This Nanobody is an alpaca recombinant VHH raised against GFP, reactive to a variety of GFP derivatives, including CFP, eGFP, yeast eGFP, Clover, wtGFP, GFP S65T, AcGFP, TagGFP, tagGFP2, sfGFP, pHluorin, eYFP, YFP, Venus, YPET, Citrine and eCitrine and more.

For a full list of specificities see: [Fluorescent protein specificity table](#)

## Storage

**Storage:**  
Store at -20°C

**Storage Buffer:**  
10 mM HEPES pH 7.0, 500 mM NaCl, 5 mM EDTA, 0.09% sodium azide, 1mM TCEP

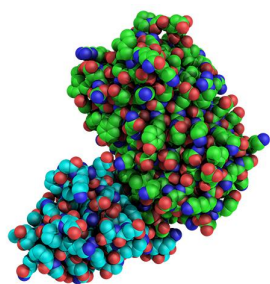
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## Selected Validation Data



Structure of GFP-VHH.