

For Research Use Only

anti-GFP recombinant VHH, 1x Cys for conjugation



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Catalog Number: gtCys1

Basic Information

Catalog Number:
gtCys1

Applications:
Conjugation

Host:
Alpaca

Conjugate:
Unconjugated

Type:
Nanobody

Class:
Recombinant

RRID:
AB_3665975

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

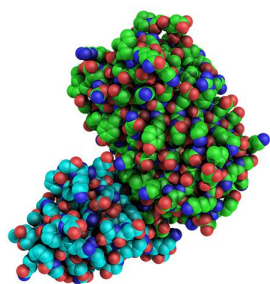
Storage Buffer:
10 mM HEPES pH 7.0, 500 mM NaCl, 5 mM EDTA, 0.09% sodium azide, 1mM TCEP

For technical support and original validation data for this product please contact

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Structure of GFP-VHH.