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Datasheet for ABIN7272887

Recombinant anti-GFP antibody

1 Image

Overview

Quantity:	250 µg
Target:	GFP
Reactivity:	Aequorea victoria, Aequorea aequorea
Host:	Alpaca
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This GFP antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS), Multiplex Immunofluorescence (mIF), DNA Microscopy (DNA Mic), Multiplex Assay (MA)

Product Details

Immunogen:	Our sdAbs bind strongly to most of the fluorescent proteins derived from Aequorea Victoria
Clone:	1H1
Fragment:	single-domain Antibody (sdAb)
Specificity:	GFP (green fluorescent protein) and common GFP derivatives like EGFP, mEGFP, Sirius, tSapphire, Cerulean, eCFP, mTurquoise, acGFP, Emerald, superecliptic pH luorin, paGFP, superfolder GFP, eYFP, mVenus, mClover3 and Citrine
Purification:	Produced in: E.coli

Target Details

Target:	GFP
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Target Details

Alternative Name: GFP ([GFP Products](#))

Background: A breakthrough in the field of biology and bioluminescence started in the 60s with the discovery of a glowing protein obtained from the jellyfish *Aequorea victoria* by Osamu Shimomura and colleagues. However, it was only in the early 90s when the green fluorescent protein (GFP) sequence was cloned and used inside a foreign organism as a fluorescent marker. Today more than 800 entries of various fluorescent proteins can be found in an open-source database with the most currently available variants here.

Application Details

Application Notes: Western Blotting not recommended. The sdAbs tend to recognize native protein conformation only.

Restrictions: For Research Use only

Handling

Format: Lyophilized

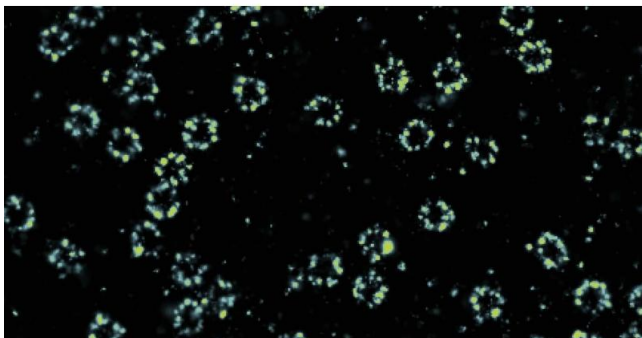
Reconstitution: Reconstitute with 250 μ L pure water for immediate use

Buffer: sdAbs are lyophilized from 10 mM KPi pH 6.0, 150 mM NaCl, 1 mM EDTA pH 6.

Storage: 4 °C/-20 °C

Storage Comment: Vials containing lyophilized protein can be stored at 4°C for up to 6 months. Vials containing reconstituted protein should be stored at -20°C or below.

Validation report #104485 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



Super-resolution Microscopy

Image 1. DNA PAINT image of nuclear pore complexes using the DBCO conjugated version of this single domain anti-GFP antibody modified with DNA oligos.