



Optimized by the research scientists at Allele Biotechnology, GFP-nAb™ is a highly specific GFP (Green Fluorescent Protein) binding protein derived from camelids. It is characterized by a small size (13 KDa) and a very high stability (stable up to 70°C, functional in high salt concentrations or 0.5% SDS). One molecule of GFP-nAb™ binds one molecule of GFP with a dissociation constant (Kd) in the sub nanomolar range. This makes GFP-nAb™ the ideal candidate for a variety of biological assays.

GFP nAb™ is an excellent antibody for immunoprecipitation, and should make GFP a very useful tag for immunoprecipitation assays.

## Applications

- Immunoprecipitation / CO-IP
- Quantitative analysis
- Chromatin Immunoprecipitation (ChIP)
- Identifying Interacting Proteins
- RIP Assays (RNA Immunoprecipitation)
- CLIP Assays (in vivo Cross Linking and Immunoprecipitation)

## Technology

Antibodies - extremely powerful tools in biomedical research - are large complex molecules (~ 150 kDa) consisting of two heavy and two light chains. Due to their complex structure, the use of antibodies is often limited and hindered by batch-to-batch variations.

Camelidae (camels, dromedaries, llamas and alpacas) produce functional heavy chain antibodies (hcAbs) devoid of light chains. hcAbs recognize and bind their antigens via a single variable domain (VHH). These VHH domains are the smallest intact antigen binding fragments (~ 13 kDa).

## Product Info

Cat.#	Qty
<b>GFP nAb™ purified protein</b>	
<b>ABP-nAb-GFPAB</b>	250 µl (1mg/ml)
<b>Storage Buffer</b>	
PBS, pH 7.2 with 0.05% Sodium Azide	

**Store at 4°C**

### **F**or Research Use Only. Not for Diagnostic or Therapeutic Use.

Purchase does not include or carry any right to re-sell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Allele Biotech is strictly prohibited.

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