

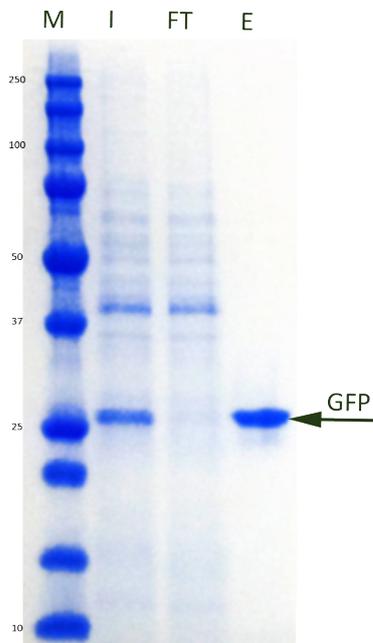
Allele

GFP-nAb™ Agarose

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™ Agarose resin 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.

Complete Pulldown using the GFP-nAb™ Spin Kit



EGFP-expressing Sf9 (insect) cell lysate contained a total of 16µg of EGFP in total volume of 500µl, determined spectrophotometrically. Following the GFP-nAb™ Spin Kit binding and wash protocols, the protein was eluted in 2 x 50 µl elution buffer (0.2M glycine pH 2.5), pooled, and neutralized with 10µl of 1M Tris base. Equal volumes of lysate input (I), flow-through (FT) after binding to GFP-nAb™ agarose resin, and elution (E) fractions were analyzed by SDS-PAGE followed by Coomassie staining. In this experiment, EGFP was quantitatively removed from the lysate.

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Product Info

Cat.#	Qty
GFP nAb™ coupled to Agarose Resin Provided as a slurry in PBS pH 7.4 with 20% ethanol Binding capacity - minimum 5µg EGFP per 10ul of slurry	
ABP-nAb-GFPA025	250 µl (10 rxn)
ABP-nAb-GFPA050	500 µl (20 rxn)
ABP-nAb-GFPA100	1.0 ml (40 rxn)
GFP nAb™ purified protein	
ABP-nAb-GFPAB	250 µl (1mg/ml)
GFP nAb™ Kit	
ABP-nAb-GFPAK20	20 Reactions
Kit Contents	
Wash Buffer Lysis Buffer 20 Spin Columns	Binding Buffer Elution Buffer Neutralization Buffer

Store at 4°C

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).

For Research Use Only. Not for Diagnostic or Therapeutic Use.

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