

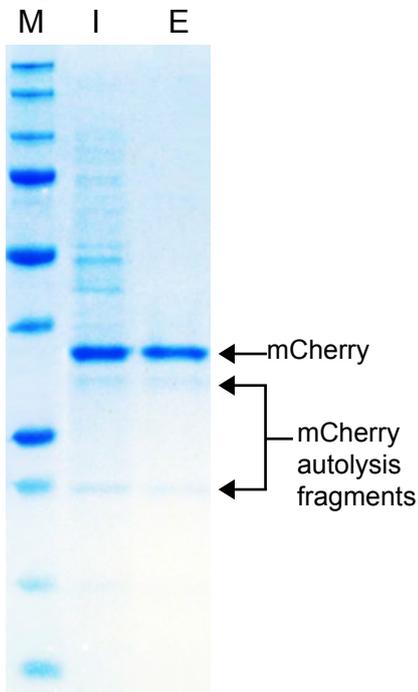
Allele

RFP-nAb™ Agarose

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

RFP-nAb™ is an excellent antibody for immunoprecipitation of RFP-tagged proteins.

Pulldown using the RFP-nAb™ Spin Kit



mCherry-expressing *E. coli* lysate was used to demonstrate pull down. Following the RFP-nAb™ Spin Kit binding and wash protocols, the protein was eluted and neutralized. Equal volumes of lysate input (I) and elution (E) fractions were analyzed by SDS-PAGE followed by Coomassie staining.

Product Info

Cat.#	Qty
RFP nAb™ coupled to Agarose Resin Provided as a slurry in PBS pH 7.4 with 20% ethanol Binding capacity - minimum 5ug RFP per 10ul of slurry	
ABP-nAb-RFPA025	250 µl (10 rxn)
ABP-nAb-RFPA050	500 µl (20 rxn)
ABP-nAb-RFPA100	1.0 ml (40 rxn)
RFP nAb™ purified protein	
ABP-nAb-RFPAB	250 µl (1mg/ml)
RFP nAb™ Kit	
ABP-nAb-RFPAK20	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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