



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.

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).

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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

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

Purchase does not include or carry any right to resell 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.