



# RFP-nAb™ Magnetic 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 (13 kDa) 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 RFP with a dissociation constant (Kd) in the sub nanomolar range. This makes RFP-nAb™ Magnetic Agarose beads the ideal candidate for a variety of biological assays.

RFP nAb™ is an excellent antibody for immunoprecipitation, and should make RFP 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).

**For more information:**

**Please visit:** <http://allelebiotech.com/rfp-nab>

## Product Info

Cat.#	Qty
<b>RFP nAb™ coupled to Magnetic Agarose Beads</b> Provided as a slurry in PBS pH 7.4 with 20% ethanol Binding capacity - minimum 4ug mCherry per 10ul of slurry	
<b>ABP-nAb-RFPX025</b>	250 µl (10 rxn)
<b>ABP-nAb-RFPX050</b>	500 µl (20 rxn)
<b>ABP-nAb-RFPX100</b>	1.0 ml (40 rxn)
<b>RFP nAb™ purified protein</b>	
<b>ABP-nAb-RFPAB</b>	250 µl (1mg/ml)
<b>GFP nAb™ Kit</b>	
<b>ABP-nAb-RFPXK20</b>	20 Reactions
<b>Kit Contents</b>	
<b>Wash Buffer Lysis Buffer</b>	<b>Binding Buffer Elution Buffer Neutralization Buffer</b>

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

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