Allele mNG-nAb™

Optimized by the research scientists at Allele Biotechnology, mNG-nAb™ is a highly specific mNG (mNeonGreen) 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 mNG-nAb™ binds one molecule of mNeonGreen with a dissociation constant (Kd) in the sub nanomolar range. This makes mNG-nAb™ agarose resin the ideal candidate for a variety of biological assays.

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

mNeonGreen

mNeonGreen is the brightest monomeric green or yellow fluorescent protein to date, and is an excellent fusion tag for traditional imaging as well as stochastic single-molecule super resolution imaging. It is a stellar fluorescence resonance energy transfer (FRET) acceptor for cyan fluorescent 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)

Product Info

Cat.#	Qty
mNeonGreen nAb™ coupled to Agarose Beads Provided as a slurry in PBS pH 7.4 with 20% ethanol Binding capacity : > 2ug mNG per 10ul of slurry	
ABP-nAb-MNGA025	250 µl (10 rxn)
ABP-nAb-MNGA050	500 µl (20 rxn)
ABP-nAb-MNGA100	1.0 ml (40 rxn)
mNeonGreen nAb™ purified protein	
ABP-nAb-MNGAB	250 µg (1mg/ml)
mNeonGreen nAb™ Kit	
ABP-nAb-MNGAK20	20 Reactions
Kit Contents	
Wash Buffer **Lysis Buffer** **20 Spin Columns**	**Binding Buffer** **Elution Buffer** **Neutralization Buffer**

Store at 4°C

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/mneongreen-nab