



Coming Soon

AnteoBind™ Pre-activated Europium Particle Conjugation Kit

Enhance and simplify conjugate development, reproducibility & performance in lateral flow assays using AnteoBind™ Nanoglue Technology.

AnteoBind™ Pre-activated Europium Particle Conjugation Kit provides an entry point to developing conjugates for use in highly sensitive fluorescent lateral flow assays.

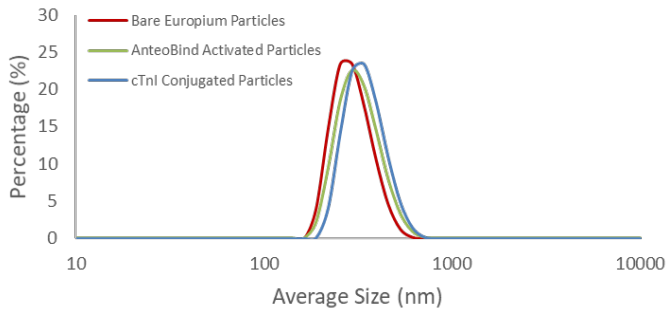
AnteoBind™ Nanoglue Technology can mediate the binding of your protein to europium nanoparticles. The kit contains all the components required to prepare the particles for protein conjugation and storage. Blocking diluent is also supplied for preparation of your preferred blocker.

Features & Benefits

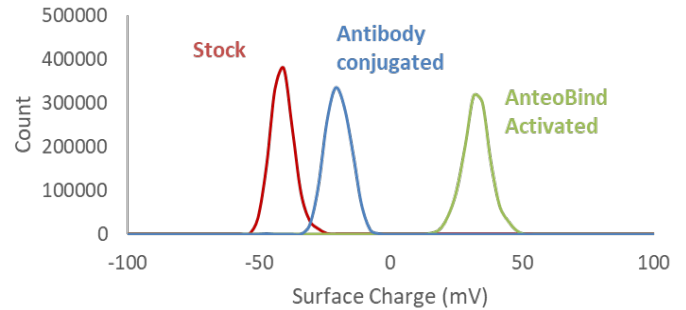
- Ready to use 300nm europium particles
- Buffers for protein conjugation, storage and blocking diluent supplied
- Less than half a day to produce antibody/protein-conjugated europium particles
- Retains functionality of biomolecules through avidity binding
- No pH screening required
- Versatility to choose your own biological or polymer blockers
- Produce europium conjugates simply and reproducibly to improve lateral flow sensitivity over colorimetric tests

Anteo's Nanoglue Technology enables the activation of europium particles for conjugating your protein of interest. Changes to the particle can be monitored via physical characterisation.

Average Size of Particles During the AnteoBind™ Conjugation Process

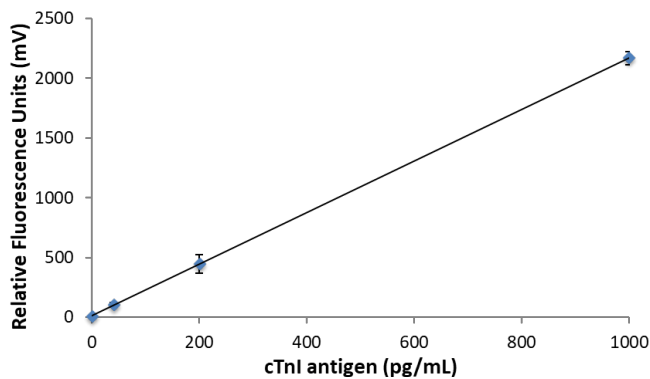


Overall Surface Charge of Particles During the AnteoBind™ Conjugation Process

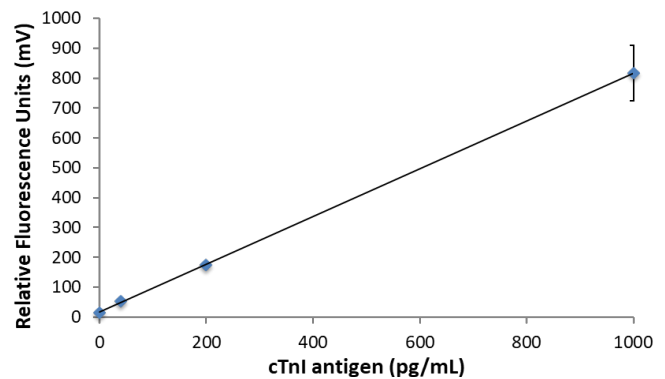


The Pre-activated Europium Particle Conjugation Kit provides a simple to use procedure, enabling development of lateral flow assays in a more sensitive format to conventional gold colloids.

cTnI Lateral Flow Assay in Buffer (n=3)



cTnI Lateral Flow Assay in Serum (n=3)



Anti-cTnI conjugates provide an estimated limit of detection of 20pg/mL in both buffer and serum in a half strip format, 10x lower than conventional gold colloids.

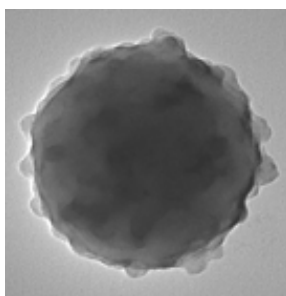


Image: TEM image of antibody conjugated to AnteoBind™ europium particle

Anteo can provide custom services to assist you with your conjugation needs.

Contact us to find out more.

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