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TECHNICAL DATA SHEET

NANOCS[™] Gold Nanoparticles, Protein A coated

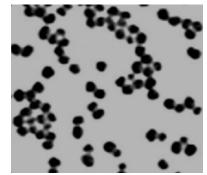
Catalog Numbers: GP2,3,5,10,15,20,30,40,50,60-PA-1

Synonym: Protein A Gold, Protein A Colloidal Gold, Protein A Gold Particles, Protein A Gold Beads

Description:

Protein A coated gold nanoparticles (Protein A Gold) from Nanocs can bind to IgG protein with high

affinity. **Protein A** is a 42 kDa surface protein originally found in the cell wall of *Stapylococcus aureus*. Protein A has strong binding affinity towards immunoglobulins. Our **protein A** gold



nanoparticle conjugate has very narrow size distribution (<15%) and good stability. These spherical functional gold particles were made from chemical reduction method and **protein A** was covalently attached to the gold nanoparticle surface. Our protein A gold particles are useful to detect various biomolecules in SEM, TEM, light microscopy and blotting.

Storage Conditions:

Protein A gold particles should be stored at 2~8 °C for best use.

Particle Concentration:

Product Specifications:

- Appearance: Red, purple red or orange liquid depends on size;
- Composition:Protein A Gold Nanoparticle conjugates in 50 mM phosphate buffer, pH 7.4 with 10% glycerol, 0.1% BSA and 0.01% sodium azide;
- Particle size: 2~100 nm as labeled;
- Concentration: 0.05% (w/v) based on Au.
 Around 25~50 µg protein A per mL solution.

This product is for research use only and is not intended for use in humans or for diagnostic use.

To Order:

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