

80nm Gold Nanoparticles (15 OD) ab269941

画像数 3

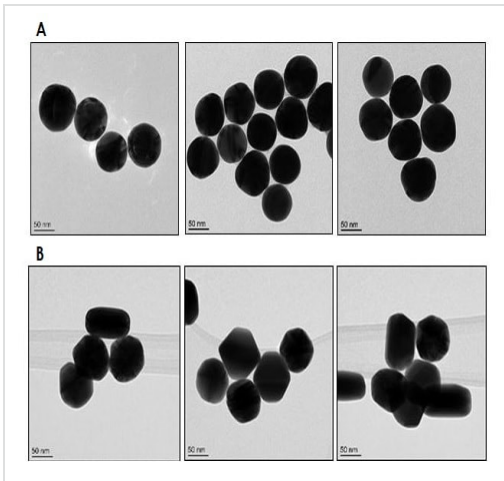
製品の概要

製品名	80nm Gold Nanoparticles (15 OD)
特記事項	<p>80nm Gold Nanoparticles (15 OD) (ab269941) is an aqueous suspension of spherical metallic nanoparticles manufactured to the highest standard to ensure:</p> <ul style="list-style-type: none">Uniform spherical shapeNarrow size distribution: 80nm ± 8nm, <10% CVUltra high qualityBatch to batch consistencyHigh efficiency antibody binding for maximum sensitivityAvailable at high concentrations to simplify assay development. <p>This product is manufactured by Expedeon, an Abcam company. It was previously called 80nm Gold Nanoparticles (15 OD). Expedeon product code 3815-0010 is the same as the 10 mL size of this product and code 3815-0100 is the same as the 100 mL size.</p> <p>Our colloidal Gold Nanoparticles are suspended in citrate buffer and are suitable for:</p> <ul style="list-style-type: none">Protein adsorptionOligonucleotide adsorptionSurface modifications. <p>Narrow size distribution and consistent shape is important and preferable for most applications.</p> <p>A consistent, spherical shape means that particles are less prone to aggregation, which can be a problem associated with gold nanoparticles. Furthermore uniform shape ensures consistent binding of antibodies, ensuring reliable assay results.</p> <p>Each batch of 80nm colloidal gold undergoes TEM analysis to ensure all the requirements are met.</p>

製品の特性

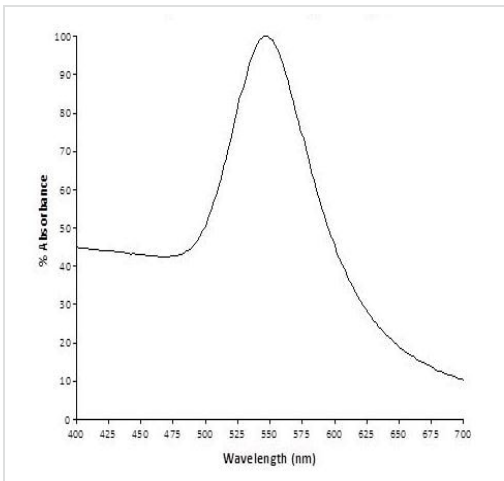
製品の状態	Liquid
保存方法	Shipped at Room Temperature. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.00 Constituents: 0.08534% Gold nanoparticles, 0.00003% Sodium citrate

画像



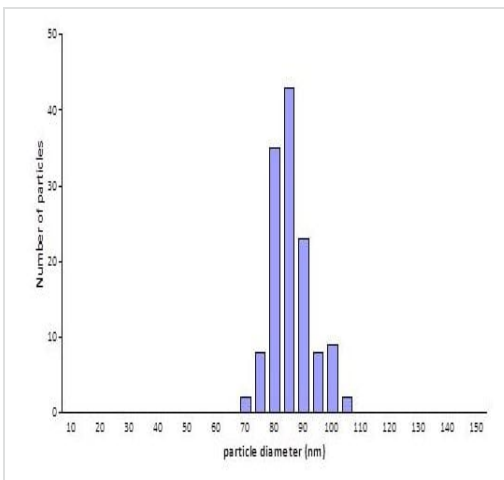
Electron microscopy (TEM) example pictures showing the high consistency of size and shape of 80nm Gold Nanoparticles (15 OD) (ab269941) (A) compared to that of aggregated, irregular shaped and sized gold nanoparticles of a leading competitor (B).

Electron Microscopy - 80nm Gold Nanoparticles (15 OD) (ab269941)



UV-Vis spectrum of 80nm Gold Nanoparticles (15 OD) (ab269941).

Spectrum - 80nm Gold Nanoparticles (15 OD) (ab269941)



Size distribution of 80nm Gold Nanoparticles (15 OD) (ab269941) displaying a narrow size distribution with a CV (standard deviation / diameter) of less than 10%.

Functional Studies - 80nm Gold Nanoparticles (15 OD) (ab269941)

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