

### 40nm Gold Nanoparticles (10 OD) ab269930

画像数 3

#### 製品の概要

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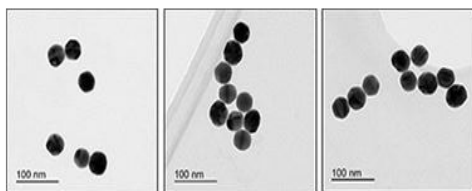
製品名	40nm Gold Nanoparticles (10 OD)
特記事項	<p>40nm Gold Nanoparticles (10 OD) (ab269930) is an aqueous suspension of spherical metallic nanoparticles manufactured to the highest standard to ensure:</p> <p>Uniform spherical shape Narrow size distribution: <math>40\text{nm} \pm 4\text{nm}</math>, <math>&lt;10\%</math> CV Ultra high quality Batch to batch consistency High efficiency antibody binding for maximum sensitivity Available at high concentrations to simplify assay development.</p> <p>This product is manufactured by Expedeon, an Abcam company. It was previously called 40nm Gold Nanoparticles (10 OD). Expedeon product code 210-0010 is the same as the 10 mL size of this product and code 210-0100 is the same as the 100 mL size.</p> <p>Our colloidal Gold Nanoparticles are suspended in citrate buffer and are suitable for:</p> <p>Protein adsorption Oligonucleotide adsorption Surface modifications.</p> <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 40nm colloidal gold undergoes TEM analysis to ensure all the requirements are met.</p> <p>Mean diameter 36–44nm SD <math>&lt;4\text{nm}</math> CV% <math>&lt;10\%</math></p>

#### 製品の特性

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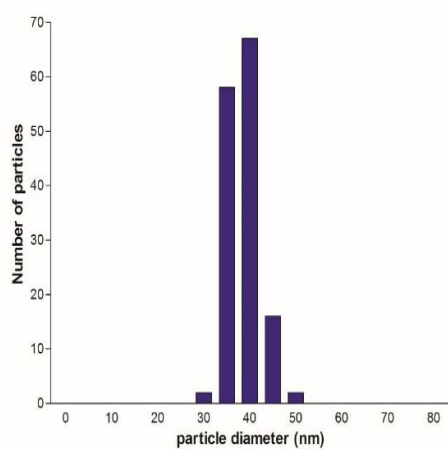
製品の状態	Liquid
保存方法	Shipped at Room Temperature. Store at $+4^{\circ}\text{C}$ . Do Not Freeze.
バッファー	<p>pH: 7</p> <p>Constituents: 0.0582% Gold nanoparticles, 0.00003% Citrate buffer</p>

## 画像



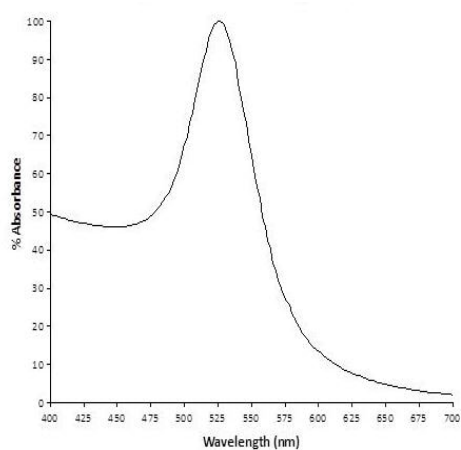
Electron Microscopy - 40nm Gold Nanoparticles (10 OD) (ab269930)

Electron microscopy (TEM) images of 40nm Gold Nanoparticles (10 OD) (ab269930). Note the consistency of size and shape.



Functional Studies - 40nm Gold Nanoparticles (10 OD) (ab269930)

Size distribution of 40nm Gold Nanoparticles (10 OD) (ab269930) displaying a narrow size distribution with a CV (standard deviation / diameter) of less than 10%.



Spectrum - 40nm Gold Nanoparticles (10 OD) (ab269930)

UV-Vis spectrum of 40nm Gold Nanoparticles (10 OD) (ab269930).

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- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

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