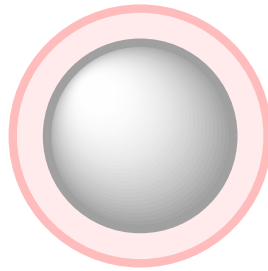


## Gold Nanoshell

### DESCRIPTION

Gold nanoshells consist of a silica core surrounded by a gold shell. By changing the ratio of the size of the core to the thickness of the shell, the plasmon resonance can be tuned across the visible and infrared. Increasing the size of the silica core, and decreasing the thickness of the gold shell cause the plasmon resonance to shift toward the NIR.



Beijing Biotyscience Co. Ltd provides high-quality Gold nanoshells of different sizes. Gold Nanoshells with other optical properties, core/shell dimensions, or different surface capping agents are available on request. Contact us for more information about our custom fabrication abilities.

### Storage

Store product away from direct sunlight at 2-8 ° C.

Do NOT freeze. Freezing causes irreversible aggregation of the gold nanoparticles.

When stored as specified the product is stable for at least six months.

**PRODUCT INFORMATION**

<b>Type</b>	Gold Nanoshells
<b>Diameter</b>	120 nm - 240 nm
<b>Surface</b>	PEG ( or others)
<b>Concentration</b>	0.05 mg/ml (or others)
<b>Size</b>	10 ml
<b>Storage</b>	Stored at 2 - 8°C. Do not freeze. Protect from light.

**Applications**

Gold nanoshells are ultrabright reporter particles for molecular diagnostics. Proteins can be covalently bound to the surface of carboxyl gold nanoshells using EDC/NHS chemistry.

Gold nanoshells are available with carboxyl, PEG and PVP surface functionalization.

Optical Filters

Sensing and Cancer therapy

**Contact Us**

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