Gold Nanocage

DESCRIPTION

Compared with the plasmon resonance of gold nanoparticles only on the outer surface, gold nanocages can achieve plasmon resonance absorption on both the outer surface and the inner surface due to the hollow characteristics of the gold nanocage. It can be used as a better performance The photothermal conversion agent causes tumor apoptosis through overheating. In addition, the porous structure on the surface of the gold nanocage greatly increases its “hot spots” as a surface-enhanced Raman scattering and substrate The electromagnetic field enhancement effect caused by the superimposed plasmon resonance on the inner and outer surfaces makes it a surface-enhanced Raman scattering substrate with wide application prospects is expected to realize single-molecule detection based on surface-enhanced Raman scattering in liquid phase.

Beijing Biotyscience Co. Ltd provides high-quality Nanocage of different sizes. The particles are hollow and porous. It's with high loading capacity, safe and environmentally friendly without pollution.

PRODUCT INFORMATION

Type	Gold Nanocage
Diameter	40 nm - 280 nm
Surface	Citric acid (or others)
Concentration	0.05 mg/ml (or others)
Size	10 ml
Storage	Stored at 2 - 8°C. Do not freeze. Protect from light.
Shelf life	6 months

Applications

Photothermal therapy

Biological immunoassay

Chemical or biological sensing

Dark field optical imaging

Surface Raman scattering enhancement

Drug or gene carrier

Advantage

High loading

The sodium citrate layer adsorbed on the surface is easy to further functional modification

Good dispersion and stability

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.

Contact Us

Beijing Biotyscience Co. Ltd.

QQ: 499854788

3494243873

WeChat: 13681256816; 15511114213

Email: info@biotyscience.com

Tel: 400-669-8850

15511114213; 13681256816