

Azide Gold Nanoparticles

DESCRIPTION

Beijing Biotyscience Co. Ltd provides high-quality spherical gold nanoparticles of different sizes. The aqueous solution of gold nanoparticles presents orange, red, purple and other colors depending on the particle size. Gold nanoparticles have many applications in biology and medicine due to their unique optical and physical properties.

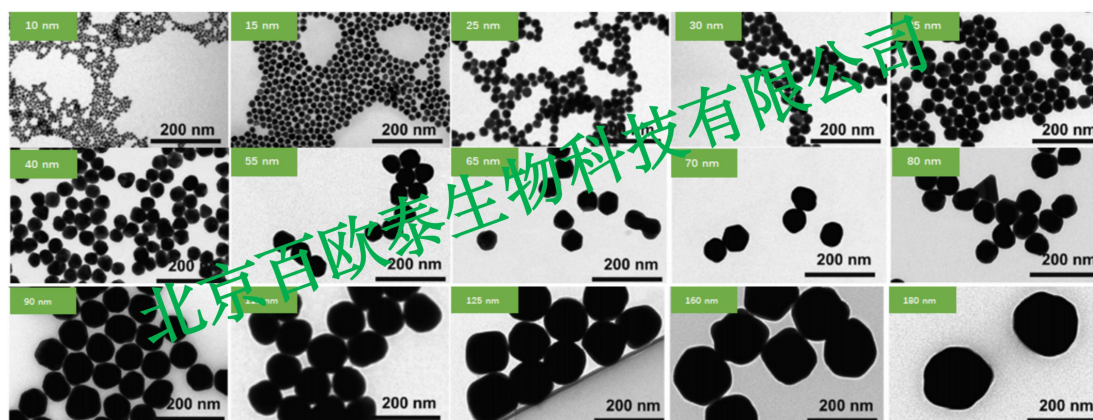
These versatile reagents can be used for biological immune detection, protein labeling, dark-field optical imaging, fluorescence enhancement, surface enhancement Raman substrate to meet the different experimental needs of scientific researchers.

By precisely engineering the gold nanoparticle surface, we also offer protein/antibody gold conjugates and particles with functional groups such as biotin, carboxyl, amine allowing them to be directly used in many applications.

PRODUCT INFORMATION

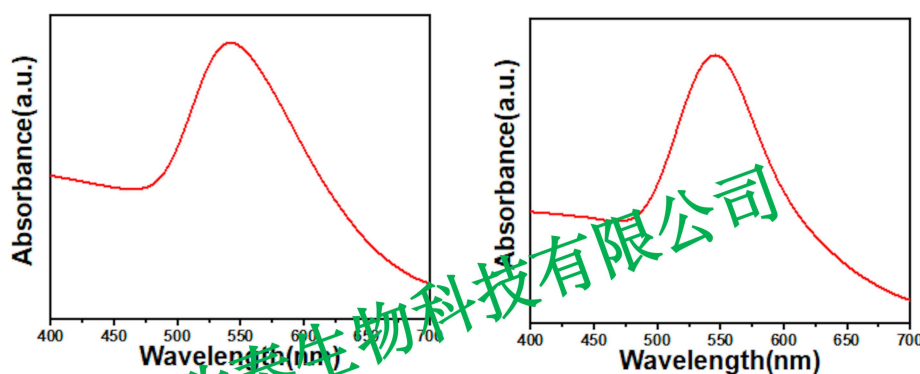
Type	Gold Nanoparticles
Diameter	5 nm - 100 nm
Functional group	SH-PEG-Azide
Concentration	0.05 mg/ml (or others)
Buffer	Supplied in DI Water.
Size	10 ml
Storage	Stored at 2 - 8°C. Do not freeze. Protect from light.
Shelf life	3 months

Transmission electron microscopy (TEM)



Transmission electron microscopy (TEM) of Biotyscience gold nanoparticles of different sizes

UV-Vis spectrum



Applications

Conjugate Development

Immunostaining

Lateral Flow Assays

Biological Sensor Development

Electron Microscopy

Dark Field Microscopy

Surface Enhanced Raman Spectroscopy (SERS)

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

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