

Carboxyl Gold Nanorods

DESCRIPTION

Beijing Biotyscience Co. Ltd provides high-quality spherical gold nanorods of different sizes. Gold nanorods have many applications in biology and medicine due to their unique optical and physical properties.

PEG-carboxyl is covalently bound to the metal surface. The acid provides a highly negatively charged surface and a chemical handle for further functionalization. Carboxyl surfaces can be used to covalently bind molecules with free amines (e.g. antibodies) to the surface of the particles. An amide bond between the acid surface and the free amine is formed using EDC/NHS chemistry.

By precisely engineering the gold nanorods 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 Nanorods
Functional group	Carboxyl
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	6 months

Applications

Biosensors

Photothermal Therapy

Photoacoustic Imaging

Drug Delivery

Storage

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

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

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

Contact Us

Beijing Biotyscience Co. Ltd.

QQ: 499854788

3494243873

1619694293

We chat: 13681256816

15511114213

Email: info@biotyscience.com

Tel: 010-5365 2239

136 8125 6816

北京百欧泰生物科技有限公司

Tel: +86 136 8125 6816 Email: biotyscience@163.com

Address: 北京市房山区良乡凯旋大街建设路 18 号-D3032