

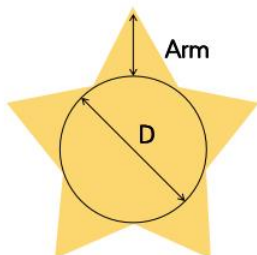


Gold Nanostars-BSA PRODUCT DATA SHEET

Gold Nanostars-BSA

Description

The modification of Gold Nanostars with bovine serum albumin (BSA) has significant advantages, especially in the biomedical field. BSA, as a natural protein, can form a stable encapsulation layer on the surface of Gold Nanostars, significantly enhancing its dispersion stability and biocompatibility in aqueous solutions. This modification enhances the potential application of Gold Nanostars in vivo and reduces their toxicity to cells. The encapsulation of BSA can regulate the luminescence characteristics of Gold Nanostars, improving sensitivity and selectivity in biological imaging and sensing by changing the luminescence wavelength. Gold Nanostars BSA has higher detection sensitivity in biosensors and can accurately detect biomolecules such as proteins and DNA. Gold Nanostars BSA is widely used in drug delivery systems due to its excellent biocompatibility and stability. Through functionalized BSA surfaces, drugs can be effectively targeted and delivered to specific locations. Gold Nanostars BSA has broad potential applications in various fields such as drug delivery, bioimaging, and biosensing.



Abvigen Inc can provide high-quality Gold Nanostars-BSA in multiple specifications, with uniform particle size, good dispersion, and high inter batch repeatability. It can meet the personalized material needs of various customers for research and development, testing, production, and consumption. For custom sizes, formulations or bulk quantities please contact our customer service department.

Website: www.abvigen.com **Phone:** +1 929-202-3014 **Email:** info@abvigenus.com



Characteristics

Optical density: 1 OD

Size: 5 ml

SPR: 650 nm-1064 nm

Surface: Bovine Serum Albumin

Shape: Star shape

Composition: Gold Nanostars

Buffer: DI Water

Form: Suspension

Store: Storage at 2 - 8 °C

Shelf Life: 6 months

Storage

This product should be stored at 4°C. **DO NOT FREEZE.**

Advantage

Uniform particle size

High specific surface area

Easy to surface functionalize

Good dispersibility

Good chemical stability

Unique optical properties

Applications

Biosensor materials

Biological immune testing

Protein labeling

Dark field optical imaging

Fluorescence enhancement

Surface enhanced Raman substrate



Ordering Information

Website: www.abvigen.com

Phone: +1 929-202-3014

Email: info@abvigenus.com