

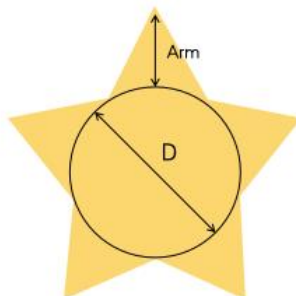


## Gold Nanostars-PEI PRODUCT DATA SHEET

### Gold Nanostars-PEI

#### Description

Gold Nanostars-PEI has multiple significant advantages, and PEI modification can significantly improve the stability of Gold Nanostars in aqueous solution, preventing aggregation and precipitation. PEI molecules make the surface of Gold Nanostars positively charged, enhancing the dispersion and stability of the material. The rich amino functional groups of PEI can react with other functional groups, expanding the application field of Gold Nanostars. PEI has good biocompatibility and low toxicity, making PEI modified gold nanostars suitable for biomedical applications. They can serve as drug carriers to improve drug delivery efficiency, and can also be used in biological imaging techniques such as magnetic resonance imaging to enhance imaging accuracy. Gold Nanostars-PEI has a wide range of applications in biomedical fields such as gene delivery, drug delivery, and bioimaging.



Abvigen Inc can provide high-quality Gold Nanostars-PEI 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](http://www.abvigen.com) **Phone:** +1 929-202-3014 **Email:** [info@abvigenus.com](mailto:info@abvigenus.com)



### **Characteristics**

Optical density: 1 OD

Size: 5 ml

SPR: 650 nm-1064 nm

Surface: Polyethylenimine

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

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