



## **Gold Nanobipyramids-SDS PRODUCT DATA SHEET**

### **Gold Nanobipyramids-SDS**

#### **Description**

Gold Nanobipyramids are ideal materials for biological imaging and catalytic reactions due to their unique shape and superior optical properties. By modifying with the surfactant sodium dodecyl sulfate (SDS), the dispersibility and uniformity of Gold Nanobipyramids can be significantly improved. Effectively reduce the surface tension of the solution, prevent the aggregation of Gold Nanobipyramids, and ensure uniform particle size distribution. The sharp shape at both ends of Gold Nanobipyramids gives them better electric field enhancement and refractive index sensitivity compared to gold nanorods. Gold Nanobipyramid-SDS can be used as a probe for biological immune detection and applied in fields such as fluorescence enhancement and surface enhanced Raman spectroscopy (SERS). Gold Nanobipyramid- SDS can also be used for the construction of biosensors to improve their sensitivity and selectivity.

Abvigen Inc is able to provide high quality Gold Nanobipyramids-SDS. This product is available in a wide range of capping agents. Each batch has good monodispersity, uniform size, and can meet the needs of various customers in 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**

Concentration: 0.05 mg/ml

Size: 5 ml or others

Surface: Sodium dodecyl sulfate

Shape: Bipyramid

Composition: Gold Nanobipyramids

Density: 19.32 g/ccm

Buffer: DI Water

Store: Storage at 2 - 8 °C



### **Storage**

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

### **Advantage**

Uniform particle size

High electromagnetic enhancement capability

Good chemical stability

Good dispersibility

### **Applications**

Biological immune testing

Protein labeling

Dark field optical imaging

Fluorescence enhancement

Surface enhanced Raman substrate

Drug carrier

### **Ordering Information**

Website: [www.abvigen.com](http://www.abvigen.com)

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