



## Gold Nanoparticles-CD5 PRODUCT DATA SHEET

### Gold Nanoparticles-CD5

#### Description

At present, biomarkers have emerged as essential tools that revolutionize how we diagnose, treat, and manage various diseases. Among them, a cluster of differentiation 5 – CD5 is a cell surface glycoprotein found on specific immune cells, primarily T cells and B-1a lymphocytes, is also known as Lymphocyte antigen T1/Leu-1 and LEU1, which is phosphorylated on tyrosine residues by LYN, so CD5 can create binding sites for PTPN6/SHP-1. CD5 is crucial in regulating immune responses and is associated with immune tolerance and the development of autoimmune diseases. CD5 has attracted significant attention as a vital biomarker with multiple applications in diagnostics and therapy. Until now, the detection of CD5 biomarkers or CD5-positive T cells has primarily relied on several laboratory techniques: enzyme-linked immunosorbent assay (ELISA), flow cytometry, and immunohistochemistry. However, these methods are costly, not portable. In the need for more effective therapeutics, newly developed disease-targeted nanocompounds can thus hold real potential.

Abvigen offers high quality gold nanoparticles-CD5. The product has high repeatability between batches, which can meet the needs of various customers for personalized materials such as research and development, testing and production.

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

**Type:** Gold Nanoparticles-CD5

**Surface:** Recombinant Human CD5 Protein, His from HEK293

**Particle size:** 5 nm ~ 100 nm

**Storage condition:** Store at 4°C. Do not freeze.

**Shelf life:** 3 months

### Applications

Immunotherapeutic agent

Spectroscopic imaging agent

### Storage

Store at 4°C. Do not freeze.

### Ordering Information

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