PEG Functionalized Fe_3O_4 Nanoparticles, 20 nm-COOH

Description

Fe_3O_4 nanoparticles have excellent magnetic properties, including high saturation magnetization and coercivity, which makes it have a wide range of applications in the fields of magnetism, biomedicine, magnetic recording and magnetic fluids. In addition, the surface energy of nano Fe_3O_4 is higher, so that it has a high reactivity, can react quickly with other molecules and improve the reaction efficiency. The surface of nanoparticles is high-density modified with biocompatible PEG, and the end of PEG has carboxyl functional group, which can be used for cell sorting, protein purification, magnetic immunity detection and other fields by coupling specific antibodies, SA or other ligands.

Abvigen offers high quality PEG-modified superparamagnetic Fe_3O_4 magnetic nanoparticles with uniform size, good suspension stability, high saturation magnetization and strong resistance to non-specific adsorption. 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 Phone: +1 929-202-3014 Email: info@abvigenus.com

Characteristics

Type: PEG Functionalized Fe_3O_4 Nanoparticles, 20 nm-COOH

Particle size: 20 ± 5 nm

Surface group: -COOH

Dispersing solvent: Purified water

Concentration: 1 mg/mL

Size: 2.5/5/10 mL

Storage condition: Store sealed at 2-8°C.

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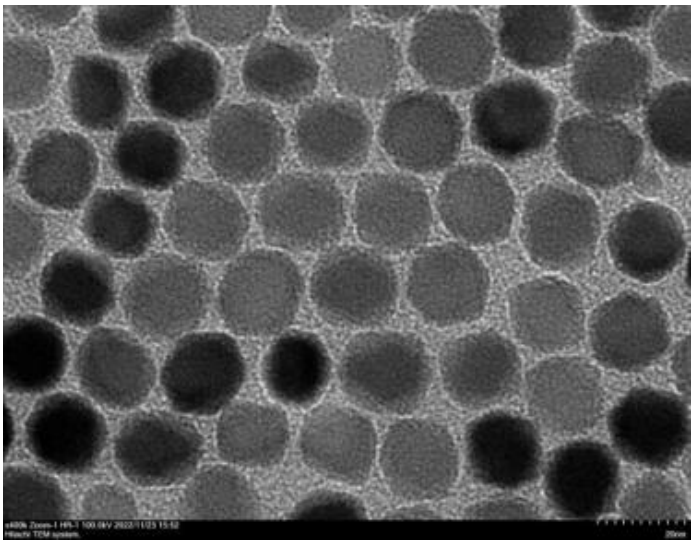
Email: info@abvigenus.com
Tel: 1-816-388- 0112 Fax: 1- 888-616-0161

TEM of PEG Functionalized Fe_3O_4 Nanoparticles, 20 nm-COOH



Advantages

Uniform size

Good suspension stability

High saturation magnetization

Strong resistance to non-specific adsorption

Applications

Cell sorting

Protein purification

Magnetic immunity detection

Storage

Store sealed at 2-8°C.

Note

Magnetic nanoparticles should avoid freezing and thawing during use and preservation.

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Ordering Information

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