

New

LIFE SCIENCE



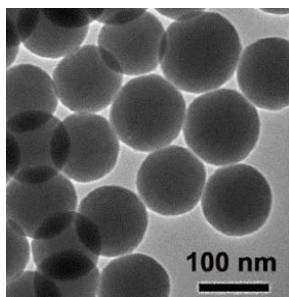
Fluorescent Organosilica Particle

Organosilica FITC 100nm

2mg [O0561]



Fluorescent image



SEM image

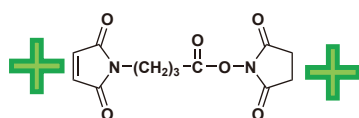
Advantages

- Wavelength : Ex_{max} 492 nm, Em_{max} 523 nm
- Surface Functionalization : Thiol group (-SH)
- Superior in fluorescence intensity to the conventional FITC.
- The diameter of this product is 100 nm and this product is suitable for the detection of biomolecules.

Application



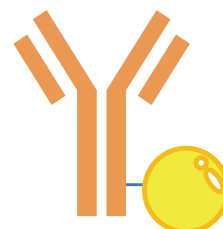
Organosilica FITC 100nm [O0561]



GMBS [S0399]

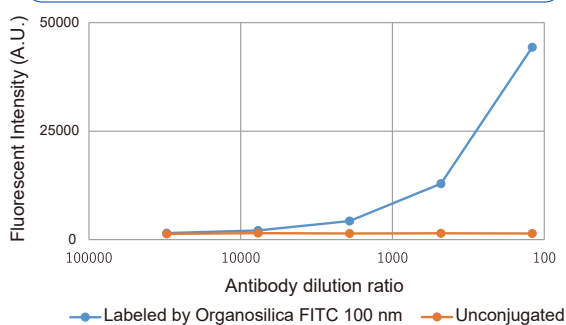


Antibodies etc.

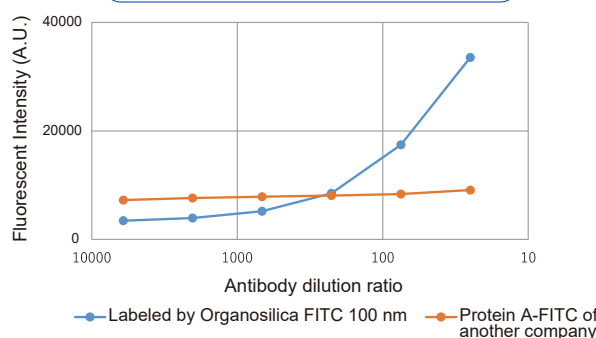


Organosilica FITC 100 nm [O0561] was labeled to various antibodies etc. by the above method. The fluorescence intensity of them at $Ex = 485$ nm, $Em = 520$ nm was measured.

Labeling with Goat anti Mouse IgG antibody



Labeling with Protein A



Organosilica FITC 100 nm [O0561] could be labeled to various antibodies etc., and they were detected by fluorescence.

This product was developed by Prof. Michihiro Nakamura, Yamaguchi University.

Related Product

GMBS

100mg / 1g / 5g / 25g [S0399]

For further information please refer to our website at www.TCIchemicals.com.

fluorescent probe



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