Time Resolved Fluorescent Microsphere

DESCRIPTION

The time-resolved fluorescence immunoassay method uses rare earth ions with a longer fluorescence half-life as the marker. Because this marker has a large Stokes shift (>150nm) and the fluorescence lifetime is longer than the fluorescence lifetime of the background substance, the measurement time only needs to be delayed. After the fluorescence of the background substance is sufficiently attenuated, and then measuring the signal of the label, the interference of various non-specific fluorescence can be effectively eliminated, and high sensitivity can be obtained.

Thousands of fluorescent molecules can be wrapped in each microsphere, which greatly improves the efficiency of fluorescent labeling and effectively improves the sensitivity of analysis. At the same time, the surface of the fluorescent microspheres is modified with appropriate density of carboxyl groups for covalently with proteins or antibodies. Coupling improves the stability of the label. Since the rare earth ions embedded in the microspheres have been chelated, no dissociation enhancement step is required.

Beijing Biotyscience Co. Ltd provides high-quality Time Resolved Fluorescent Microspheres of different sizes.

PRODUCT INFORMATION

Type	Time Resolved Fluorescent Microsphere
Concentration	1% w/v
Luminescent substance	Eu3+
Surface	Carboxyl
Diameter	100 nm - 400 nm
Size	1 ml or other size
Storage	Stored at 2 - 8°C. Do not freeze. Protect from light.

Advantage

Uniform particle size of fluorescent microspheres

Good monodispersity

Good stability

High detection sensitivity

Application

Immunochromatography platform

Microplate ultra-sensitive quantitative detection technology platform

Storage

Store product away from direct sunlight at 2-8 ° C.

Contact Us

Beijing Biotyscience Co. Ltd.

QQ: 499854788

82458988

WeChat: 13681256816; 15511114213

Email: info@biotyscience.com

Tel: 400-669-8850

15511114213; 13681256816