

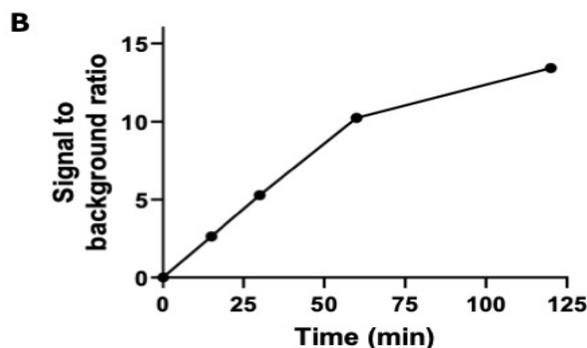
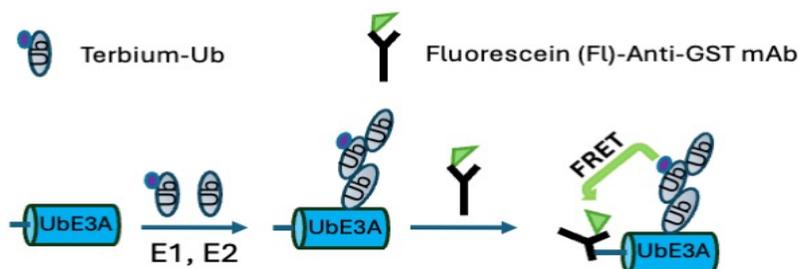
# Fluorescein-Anti-GST Monoclonal mAb

Catalog # T6020

**Also Known as:** Fluorescein-Anti-GST Antibody; FL-Anti-GST  
**Quantity:** 50 µg  
**Isotype:** Mouse IgG2a  
**Clone:** GST.B6  
**MW:** 150 kDa  
**Species:** Mouse monoclonal  
**Immunogen:** Recombinant GST  
**Applications:** WB and TR-FRET  
**Stock Buffer:** 10 mM PBS (pH 7.2), 10% Glycerol, 0.09% NaN<sub>3</sub> (sodium azide)  
**Concentration:** See tube label  
**Quality Assurance:** Validated by RELAY<sup>TR</sup> assay (see data below)

Image

## A RELAY<sup>TR</sup> Assay\_ GST-UbE3A autoubiquitination



A. Schematic of the RELAY<sup>TR</sup> GST-UbE3A Autoubiquitination Assay using fluorescein-Anti-GST antibody and terbium-Ubiquitin.

B. The reaction contained 10 nM UbE1, 100 nM UbE2D4, 12.5 nM GST-UbE3A, ubiquitin and terbium-ubiquitin. After 1.5 hr reaction under room temperature, fluorescein-Anti-GST antibody was added. TR-FRET signal was monitored by an end point mode. Reactions with ATP were positive signal (S), and without ATP were background (B). The signal-to-background ratio was calculated by using the formula of (S-B)/B. Data were from triplicates as mean ± S.D.



**Description:** Fluorescein (6-FAM) is covalently conjugated on anti-GST monoclonal mAb (clone #: GST.B6) and purified by gel filtration. Usually, the molar ratio of fluorescein to antibody is at the range of 3-10.

In TR-FRET assays, a typical concentration of fluorescein labeled antibody is at 0.8 - 1.2-fold of the concentration of the target protein. User should optimize the assay to achieve a desirable signal-to-background ratio, including the concentration and ratio of fluorescein or terbium labeled antibody, IgG or proteins corresponding to your specific assay design.

**Storage:** Store at -80°C; Avoid multiple freeze-thaw cycles

**Note:** A TR-FRET capable plate reader is required. Our assays were performed using a PHERAstar FS instrument with the 337/520/490 nm filter set. Intergration started at 50  $\mu$ s, and intergration time was 400  $\mu$ s.

**Literature:** <https://www.bmglabtech.com/en/tr-fret/>

