

Caution: For Laboratory Use. A product for research purposes only

ULight[™]-labeled Anti-GST

Product No.: TRF0104-D / TRF0104-M / TRF0104-R

Lot No.: 647-180-A

Material Provided

Format:	TRF0104-D	1 nmole (1 000 assay points*)
	TRF0104-M	10 nmoles (10 000 assay points*)
	TRF0104-R	100 nmoles (100 000 assay points*)
	*Assuming 1 pmol/ assay point	
Volume:	200 µL (TRF0104-D), 2 x 1 mL (TRF0104-M) or 2 x 10 mL (TRF0104-R)	
Manufacturing Date:	January 25, 2011	

Product Information

Molecular Weight:	160 000
Storage Buffer:	50 mM Tris-HCl (pH 7.4), 0.9% NaCl, 0.1% BSA and 0.05% sodium azide as preservative
Stability:	This product is stable for at least 18 months from the manufacturing date when stored in its original packaging and the recommended storage conditions.
Storage Conditions:	Store at -20°C. Store protected from light. Repeated freezing and thawing should be avoided.
Safety Note:	The storage buffer contains sodium azide (NaN ₃) as a preservative. Disposal of all waste should be in accordance with local regulations.

Quality Control

The QC release specifications are based on spectrophotometric analysis of the labeled antibody. We certify that these results meet our quality release criteria.

Labeling Ratio:	1.3 (dye molecule/Ab)
Concentration:	800 µg/mL (5 µM)

Recommended Assay Conditions

EXAMPLE: GST tag detection assay

Reagent preparation:

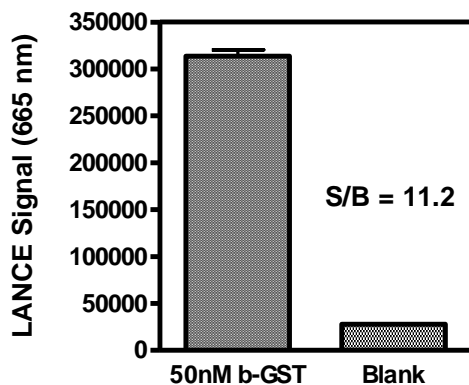
- Prepare 1X Detection Buffer: dilute 0.5 mL of 10X Detection Buffer with 4.5 mL of dH₂O.
- Prepare 2X Europium-labeled streptavidin: dilute stock solution to a concentration of 20 nM in 1X Detection Buffer.
- Prepare a 4X biotin-GST solution: dilute biotin-GST to a concentration of 200 nM in 1X Detection Buffer.
- Prepare a 4X *ULight*-anti GST antibody solution: dilute *ULight*-anti GST to a concentration of 40 nM in 1X Detection Buffer.

Protocol:

- Pipet 10 μ L of Europium-labeled streptavidin into a 384-well white OptiPlate™-384 (10 nM final concentration).
- Add 5 μ L of biotin-GST solution (50 nM final concentration).
- Add 5 μ L of *ULight*-anti GST antibody solution (10 nM final concentration).
- Cover plate with TopSeal-A and incubate 60 min at 23°C.
- Remove TopSeal-A and read in TR-FRET mode at 665 nm (excitation at 320 or 340 nm).

Typical Data

Detection of biotin-GST using *ULight*-anti GST and Eu (W1024)-streptavidin obtained using the EnVision® Multilabel Reader:



Suggested Materials

	Supplier	Cat. No.
• Antibody: <i>ULight</i> [™] - anti GST	PerkinElmer	TRF0104
• Substrate: biotin-GST	PerkinElmer	6760305
• Detection: Eu-W1024-labeled streptavidin	PerkinElmer	AD0062
• Detection Buffer: LANCE [®] Detection Buffer, 10X	PerkinElmer	CR97-100
• Plate: OptiPlate [™] -384, white	PerkinElmer	6007299
• TopSeal [™] : TopSeal-A	PerkinElmer	6005185

Please visit our website for additional resource:

www.perkinelmer.com/LANCE

This product is not for resale or distribution except by authorized distributors.

ULight[™] products may be covered by the following patents: US 7,250,517 and EP07102880.

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