

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

## *ULight*<sup>™</sup> -labeled Anti-6xHis

Product No.: TRF0105-D / TRF0105-M / TRF0105-R

Lot No.: 677-467-A

### Material Provided

<b>Format:</b>	TRF0105-D	1 nmole (1 000 assay points*)
	TRF0105-M	10 nmoles (10 000 assay points*)
	TRF0105-R	100 nmoles (100 000 assay points*)
	*Assuming 1 pmol/ assay point	
<b>Volume:</b>	200 µL (TRF0105-D), 2 x 1 mL (TRF0105-M) or 2 x 10 mL (TRF0105-R)	
<b>Manufacturing Date:</b>	June 27, 2011	

### Product Information

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

<b>Labeling Ratio:</b>	1.0 (dye molecule/Ab)
<b>Concentration:</b>	800 µg/mL (5 µM)

## Recommended Assay Conditions

### EXAMPLE: His tag detection assay

#### Reagent preparation:

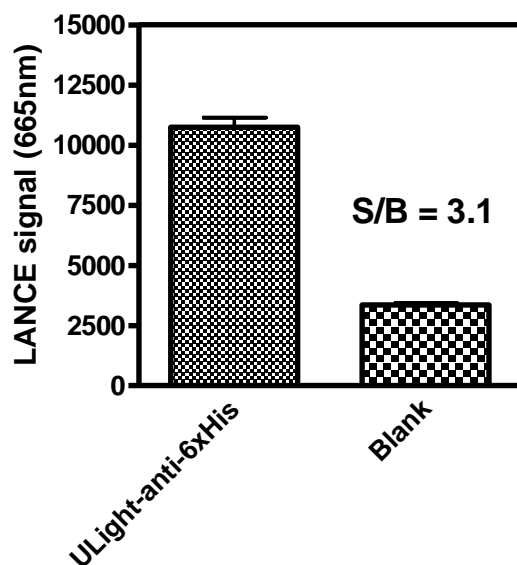
- Prepare 1X Detection Buffer: dilute 0.5 mL of 10X Detection Buffer with 4.5 mL of H<sub>2</sub>O.
- Prepare 2X Eu-His-prot1-GST protein: dilute stock solution to a concentration of 20 nM in 1X Detection Buffer.
- Prepare 2X *ULight*-anti 6xHis antibody: dilute stock solution to a concentration of 20 nM in 1X Detection Buffer.

#### Protocol:

- Pipet 10 µL of Eu-His-prot1-GST into a 384-well white OptiPlate™-384 (10 nM final concentration).
- Add 10 µL of *ULight*-anti-6xHisTag antibody (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 assay using *ULight*-anti 6xHis antibody and Eu-His-prot1-GST protein obtained using the EnVision® Multilabel Reader:



## Suggested Materials

	Supplier	Cat. No.
• Antibody: <i>ULight</i> <sup>™</sup> -anti 6xHis tag	PerkinElmer	TRF0100
• Detection: Europium-labeled His-prot1-GST protein	PerkinElmer	Custom product
• Detection Buffer: LANCE <sup>®</sup> Detection Buffer, 10X	PerkinElmer	CR97-100
• Plate: OptiPlate <sup>™</sup> -384, white	PerkinElmer	6007299
• TopSeal <sup>™</sup> : TopSeal-A	PerkinElmer	6005185

Please visit our website for additional resource:

[www.perkinelmer.com/LANCE](http://www.perkinelmer.com/LANCE)

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

*Ulight*<sup>™</sup> products may be covered by the following patents: US 7,250,517 and EP07102880.

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