



PerkinElmer Life and Analytical
Sciences
549 Albany Street, Boston
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**LANCE[®] Ultra
Technical Data
Certificate of Analysis**

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

ULight[™]-Protein A

**Product Numbers:
TRF0103-D (1 nmole, 1 000 assay points)
TRF0103-M (10 nmoles, 10 000 assay points)**

SPECIFIC LOT DATA

LOT NUMBER: 365-781-A

FORMAT: 1 000 assay points (TRF0103-D) or 10 000 assay points (TRF0103-M)
(assuming 1 pmole/assay point)

VOLUME: 100 µl (TRF0103-D) or 1 mL (TRF0103-M)

CONCENTRATION: 10 µM (450 µg/mL)

MW: 45 000

LABELING YIELD: 1 (dye molecule/Protein A)

PACKAGING: 50 mM Tris-HCl (pH 7.4), 0.9% NaCl, 0.1% BSA and 0.05% sodium azide as preservative

STORAGE: Store at -20°C. Repeated freezing and thawing should be avoided

RECOMMENDATION: Spin down briefly before use to improve recovery of content

EXPIRY DATE: April 12, 2008

ASSAY APPLICATION

EXAMPLE: ULight-Protein A detection assay

MATERIALS:

Detection:	ULight [™] -Protein A	PerkinElmer # TRF0103
Antibody:	LANCE [®] Eu-W1024 anti-phosphotyrosine (PY20)	PerkinElmer # AD0066
Detection buffer:	10X LANCE [®] detection buffer	PerkinElmer # CR97-100
Plate:	OptiPlate [™] -384, white	PerkinElmer # 6007299
TopSeal [™] :	TopSeal-A	PerkinElmer # 6005185

SUGGESTED METHOD:

(Specific applications might require optimization)

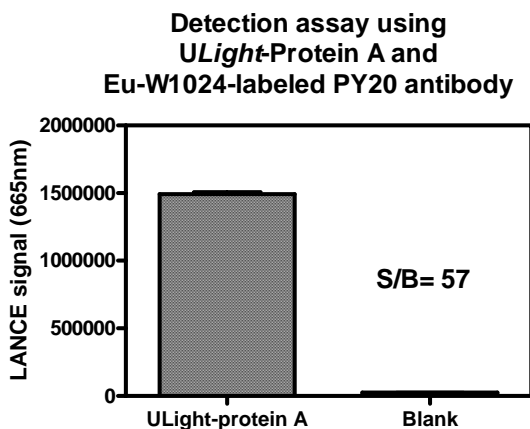
Reagent preparation

- Prepare 1X Detection Buffer: dilute 0.5 mL of 10X detection buffer with 4.5 mL of H₂O.
- Prepare 2X ULight-Protein A: dilute ULight-Protein A to a concentration of 200 nM in 1X Detection Buffer.
- Prepare 2X Eu-W1024-labeled PY20 antibody: dilute Eu-W1024-labeled PY20 antibody to a concentration of 20 nM in 1X Detection Buffer.

Protocol

- Pipet 10 µL of Eu-W1024-labeled PY20 antibody into a 384-well white OptiPlate™-384 (10 nM final concentration).
- Add 10 µL of ULight-Protein A (100 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 obtained using the EnVision® Multilabel Reader:



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