

## Anti-FLAG *ULight* LANCE Ultra Toolbox

Product number: TRF0059D/M/R

Lot number: 2635828

Manufacturing date: October 1, 2019

**Research Use Only. Not for use in diagnostic procedures.**

### Material Provided

**Format:** TRF0059D 1 nmole (1 000 assay points\*)  
TRF0059M 10 nmoles (10 000 assay points\*)  
TRF0059R 100 nmoles (100 000 assay points\*)

\*Assuming 1 pmol/ assay point

**Volume:** 2 x 1mL (TRF0059D), 2 x 10 mL (TRF0059M) or 2 x 100 mL (TRF0059R)

### Product Information

**Application:** *ULight* has been conjugated to anti-FLAG antibody. The mouse monoclonal recognizes the FLAG sequence at the N-terminus, Met N-terminus, C-terminus, and internal sites. This toolbox can be used to capture FLAG-tagged proteins and peptides,

**Storage:** Store kit in the dark at +4°C.

**Stability:** This kit is stable for at least 12 months from the manufacturing date when stored in its original packaging and the recommended storage conditions

### Quality Control

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

**Labeling Ratio:** 4.4

**Concentration:** 80 µg/mL (0.5 µM)

### Description of the LANCE Ultra Assay

LANCE<sup>®</sup> and LANCE<sup>®</sup> (Lanthanide chelate excite) *Ultra* are our TR-FRET (time-resolved fluorescence resonance energy transfer), homogeneous (no wash) technologies. One antibody of interest is labeled with a donor fluorophore (a LANCE Europium chelate) and the second molecule is labeled with an acceptor fluorophore [*ULight*<sup>™</sup> dye]. Upon excitation at 320 or 340 nm, energy can be transferred from the donor Europium chelate to the acceptor fluorophore if sufficiently close for FRET (~10 nm). This results in the emission of light at 665 nm.

### Recommendations

Sodium azide should **not** be added to the stock reagents. High concentrations of sodium azide (> 0.001 % final in the assay) might decrease the signal.

### Specific additional required reagents and materials:

The following materials are recommended:

Item	Suggested source	Catalog #
TopSeal™-A Plus Adhesive Sealing Film	PerkinElmer Inc.	6050185
Optiplate 96 or 384-well plate	PerkinElmer Inc.	6005290 (96) 6007299 (384)
VICTOR X, ViewLux, EnVision or EnSpire Multilabel Plate Reader equipped with TR-FRET option	PerkinElmer Inc.	-

## Troubleshooting Guide

You will find detailed recommendations for common situations you might encounter with your LANCE Ultra Assay kit at:

<http://www.perkinelmer.com/Resources/TechnicalResources/ApplicationSupportKnowledgebase/LANCE/lance.xhtml>

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