



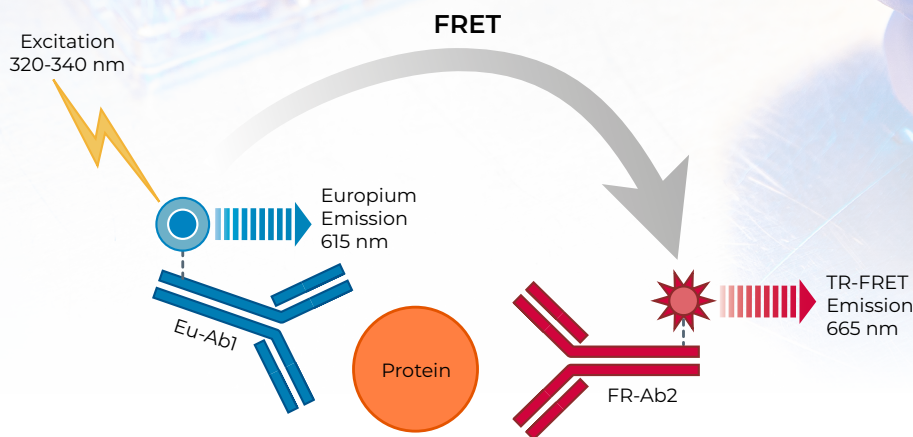
bioauxilium

BETTER TOOLS. REAL DISCOVERIES.

# THUNDER<sup>®</sup> Solutions for PROTAC and Targeted Protein Degradation

**HIGH PERFORMANCE, HIGH QUALITY, RELIABLE, AFFORDABLE**

BioAuxilium Research offers a range of cell-based immunoassay kits and toolbox reagents for advancing your PROTAC<sup>®</sup> and Targeted Protein Degradation research. These highly validated products are based on the advanced THUNDER<sup>®</sup> TR-FRET immunoassay platform. They offer a reliable and cost-effective alternative to other expensive TR-FRET technologies.



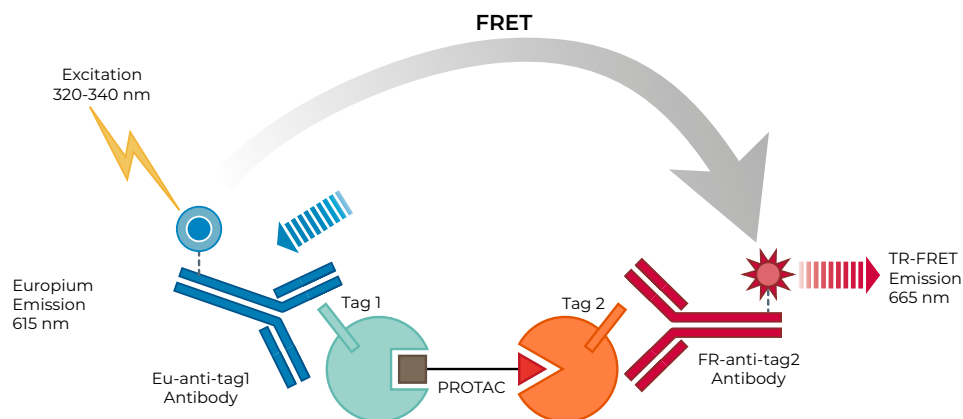
**Figure 1**  
THUNDER is an easy-to-use, fast, sensitive and robust immunoassay platform that enables you to measure the degradation of specific total proteins in cell lysates.

**Table 1 | THUNDER CELL-BASED ASSAY KITS FOR MEASURING TOTAL ENDOGENOUS PROTEINS**

PRODUCT	KIT SIZE <sup>1</sup>				
	100 points	500 points <sup>2</sup>	2 500 points	5 000 points	10 000 points
Total 4EBP1	KIT-4EBPIT-100	KIT-4EBPIT-500	KIT-4EBPIT-2500	KIT-4EBPIT-5000	KIT-4EBPIT-10000
Total AKT pan	KIT-AKTT-100	KIT-AKTT-500	KIT-AKTT-2500	KIT-AKTT-5000	KIT-AKTT-10000
Total BTK	KIT-BTKT-100	KIT-BTKT-500	KIT-BTKT-2500	KIT-BTKT-5000	KIT-BTKT-10000
Total CREB	KIT-CREBT-100	KIT-CREBT-500	KIT-CREBT-2500	KIT-CREBT-5000	KIT-CREBT-10000
Total EGFR	KIT-EGFRT-100	KIT-EGFRT-500	KIT-EGFRT-2500	KIT-EGFRT-5000	KIT-EGFRT-10000
Total eIF2 $\alpha$	KIT-EIF2AT-100	KIT-EIF2AT-500	KIT-EIF2AT-2500	KIT-EIF2AT-5000	KIT-EIF2AT-10000
Total eIF4E	KIT-EIF4ET-100	KIT-EIF4ET-500	KIT-EIF4ET-2500	KIT-EIF4ET-5000	KIT-EIF4ET-10000
Total ERK1/2	KIT-ERKT-100	KIT-ERKT-500	KIT-ERKT-2500	KIT-ERKT-5000	KIT-ERKT-10000
Total GAPDH	KIT-GAPDH-100	KIT-GAPDH-500	KIT-GAPDH-2500	KIT-GAPDH-5000	KIT-GAPDH-10000
Total GSK3 $\beta$	KIT-GSK3T-100	KIT-GSK3T-500	KIT-GSK3T-2500	KIT-GSK3T-5000	KIT-GSK3T-10000
Total JNK1/2/3	KIT-JNKT-100	KIT-JNKT-500	KIT-JNKT-2500	KIT-JNKT-5000	KIT-JNKT-10000
Total MEK1	KIT-MEKIT-100	KIT-MEKIT-500	KIT-MEKIT-2500	KIT-MEKIT-5000	KIT-MEKIT-10000
Total c-Met	KIT-METT-100	KIT-METT-500	KIT-METT-2500	KIT-METT-5000	KIT-METT-10000
Total NFkB	KIT-NFKBT-100	KIT-NFKBT-500	KIT-NFKBT-2500	KIT-NFKBT-5000	KIT-NFKBT-10000
Total p53	KIT-P53T-100	KIT-P53T-500	KIT-P53T-2500	KIT-P53T-5000	KIT-P53T-10000
Total p70S6K	KIT-P70S6KT-100	KIT-P70S6KT-500	KIT-P70S6KT-2500	KIT-P70S6KT-5000	KIT-P70S6KT-10000
Total RPS6	KIT-RPS6T-100	KIT-RPS6T-500	KIT-RPS6T-2500	KIT-RPS6T-5000	KIT-RPS6T-10000
Total SLP-76	KIT-SLP76T-100	KIT-SLP76T-500	KIT-SLP76T-2500	KIT-SLP76T-5000	KIT-SLP76T-10000
Total STAT3	KIT-STAT3T-100	KIT-STAT3T-500	KIT-STAT3T-2500	KIT-STAT3T-5000	KIT-STAT3T-10000
Total STAT5	KIT-STAT5T-100	KIT-STAT5T-500	KIT-STAT5T-2500	KIT-STAT5T-5000	KIT-STAT5T-10000
Total STAT6	KIT-STAT6T-100	KIT-STAT6T-500	KIT-STAT6T-2500	KIT-STAT6T-5000	KIT-STAT6T-10000
Total SYK	KIT-SYKT-100	KIT-SYKT-500	KIT-SYKT-2500	KIT-SYKT-5000	KIT-SYKT-10000

<sup>1</sup>The number of assay points is based on an assay volume of 20  $\mu$ L in low volume 384-well assay plates.

ORDERING INFORMATION



**Figure 2**  
THUNDER TR-FRET  
ternary complex  
formation assay.

**Table 2 | THUNDER TOOLBOX REAGENTS FOR MEASURING PROTEIN-PROTEIN INTERACTIONS**

ORDERING INFORMATION

	KIT SIZE <sup>1</sup>		
	1 000 points	5 000 points	20 000 points
<b>Europium-labeled reagents</b>			
THUNDER TR-FRET Eu-anti-6xHis	EUHIS-1000	EUHIS-5000	EUHIS-20000
THUNDER TR-FRET Eu-anti-c-Myc	EUMYC-1000	EUMYC-5000	EUMYC-20000
THUNDER TR-FRET Eu-anti-FLAG	EUFLAG-1000	EUFLAG-5000	EUFLAG-20000
THUNDER TR-FRET Eu-anti-GST	EUGST-1000	EUGST-5000	EUGST-20000
THUNDER TR-FRET Eu-anti-V5	EUV5-1000	EUV5-5000	EUV5-20000
THUNDER TR-FRET Eu-anti-human IgG	EUHIGG-1000	EUHIGG-5000	EUHIGG-20000
THUNDER TR-FRET Eu-anti-mouse IgG	EUMIGG-1000	EUMIGG-5000	EUMIGG-20000
THUNDER TR-FRET Eu-anti-rabbit IgG	EURBIGG-1000	EURBIGG-5000	EURBIGG-20000
THUNDER TR-FRET Eu-streptavidin	EUSA-1000	EUSA-5000	EUSA-20000
<b>Acceptor-labeled reagents</b>			
THUNDER TR-FRET FR-anti-6xHis	FRHIS-1000	FRHIS-5000	FRHIS-20000
THUNDER TR-FRET FR-anti-c-Myc	FRMYC-1000	FRMYC-5000	FRMYC-20000
THUNDER TR-FRET FR-anti-FLAG	FRFLAG-1000	FRFLAG-5000	FRFLAG-20000
THUNDER TR-FRET FR-anti-GST	FRGST-1000	FRGST-5000	FRGST-20000
THUNDER TR-FRET FR-anti-V5	FRV5-1000	FRV5-5000	FRV5-20000
THUNDER TR-FRET FR-anti-human IgG	FRHIGG-1000	FRHIGG-5000	FRHIGG-20000
THUNDER TR-FRET FR-anti-mouse IgG	FRMIGG-1000	FRMIGG-5000	FRMIGG-20000
THUNDER TR-FRET FR-anti-rabbit IgG	FRRBIGG-1000	FRRBIGG-5000	FRRBIGG-20000
THUNDER TR-FRET FR-streptavidin	FRSA-1000	FRSA-5000	FRSA-20000
<b>TR-FRET Detection Buffers</b>			
THUNDER TR-FRET Detection Buffer (10X)	TRFRET-DB-2	TRFRET-DB-10	TRFRET-DB-100
THUNDER TR-FRET PPI Assay Buffer 1 (5X)	TRFRET-PPIB1-2	TRFRET-PPIB1-10	TRFRET-PPIB1-100
THUNDER TR-FRET PPI Assay Buffer 2 (5X)	TRFRET-PPIB2-2	TRFRET-PPIB2-10	TRFRET-PPIB2-100
THUNDER TR-FRET PPI Assay Buffer 3 (5X)	TRFRET-PPIB3-2	TRFRET-PPIB3-10	TRFRET-PPIB3-100
THUNDER TR-FRET PPI Assay Buffer 4 (5X)	TRFRET-PPIB4-2	TRFRET-PPIB4-10	TRFRET-PPIB4-100

<sup>1</sup>The number of assay points is based on an assay volume of 20 µL in low volume 384-well assay plates.

### CUSTOM ANTIBODY LABELING

Prefer to label your own antibody? Let us do it for you!

We can label your antibody with our THUNDER® Europium chelate and FR acceptor dye, or with biotin

Basic service includes buffer exchange (if applicable), conjugation, purification, protein recovery and concentration, and degree of labeling

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Products able to be used for research and commercial applications

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Prefer to outsource your assay development project? Let us develop a TR-FRET assay to your specifications

Why us? Over 30 years experience in assay development

Biochemical and cell-based assays

Best antibody pair screening

ELISA conversion

Compound profiling

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