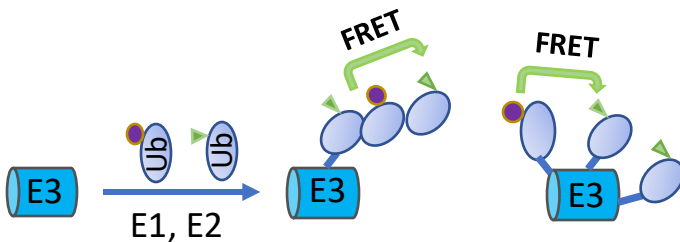


RELAY^{TR} FRET Ubiquitination Assays

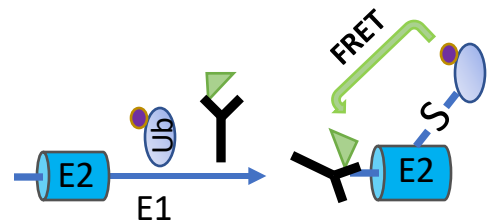
Terbium/Fluorescein and Europium/Cy5 Empowered RELAY^{TR} Assays

- RELAY^{TR} assays monitor molecular interactions using the TR-FRET technology.
- Offering sensitive, low fluorescence interference, homogeneous, stable, and high signal-to-background ratio readouts.
- Assessing E3 ubiquitin ligase activity (Schematics I and II)
- Assessing E2 ubiquitin-conjugating enzyme activity (Schematic III)
- Assessing PROTAC/molecular glue-induced ubiquitination (Schematic II)

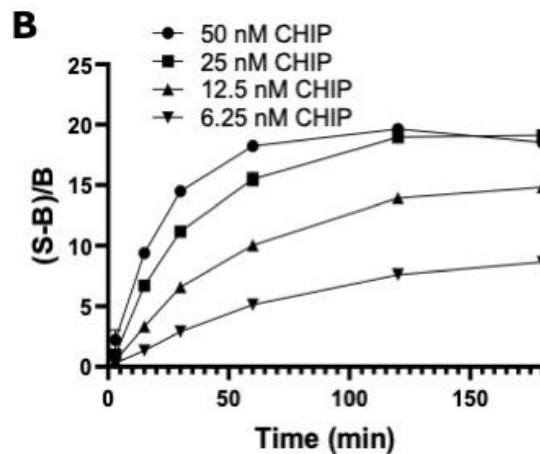
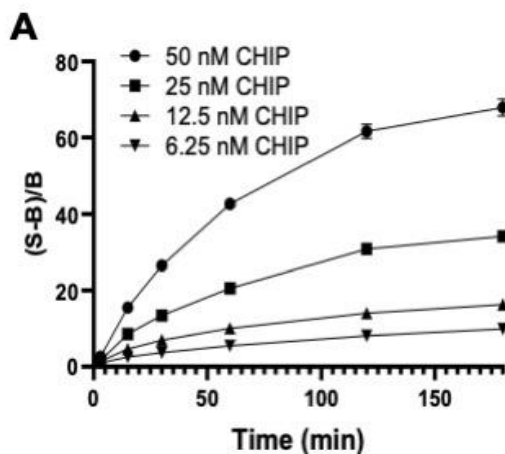
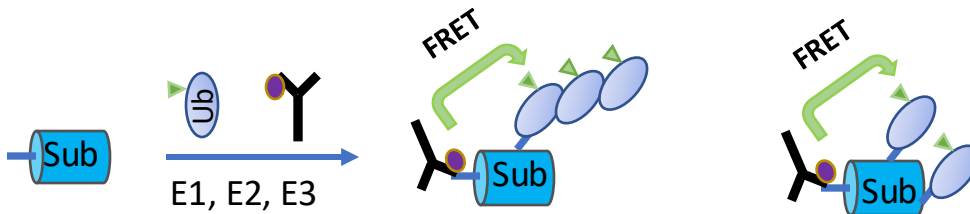
I) E3 autoubiquitination



III) E2-Ub charging



II) Substrate poly- or mono-ubiquitination mediated by authentic or PROTACs/molecular glues-induced E3/substrate interaction



Ub ligase CHIP autoubiquitination monitored by RELAY^{TR} assays using either the Terbium-Ub and Fluorescein-Ub pair (A) or the Europium-Ub and Cy5-Ub pair (B). Fluorescence ratios from reactions with ATP are positive Signal (S) and without ATP are Background (B).

Products

CATALOG #	PRODUCT NAME	PACKING SIZE
T1001	RELAY ^{TR} Ubiquitination Buffer (10X)	5 ml; 30 ml
T1501	ATP solution (0.5M)	0.1 ml; 0.5 ml
T2001	Terbium-Ubiquitin	5 µg; 25 µg, 100 µg
T2201	Fluorescein-Ubiquitin	100 µg; 1 mg
T2501	RELAY ^{TR} Terbium/Fluorescein Ubiquitin Mix (100X)	200; 2K; 5K Rxns
T3001	Europium-Ubiquitin	5 µg; 25 µg, 100 µg
T3201	Cy5-Ubiquitin	100 µg; 1 mg
T3501	RELAY ^{TR} Europium/Cy5 Ubiquitin Mix (100X)	200; 2K; 5K Rxns
T4000	RELAY ^{TR} Ubiquitin Ligase Activity Assay Kit	400 Rxns
T4010	RELAY ^{TR} ITCH Activity Assay Kit	400 Rxns
T4020	RELAY ^{TR} UbE3A Activity Assay Kit	400 Rxns
T4030	RELAY ^{TR} CHIP Activity Assay Kit	400 Rxns
T5000	RELAY ^{TR} Ubiquitin E2 Profiling Kit	50 Rxns/E2; 23 E2s
T6010	Fluorescein-Anti-6xHIS Mouse mAb	50 µg