

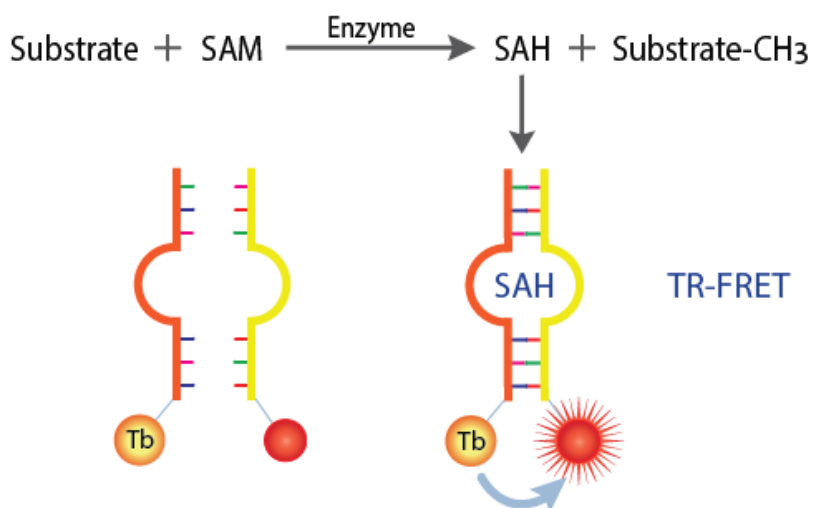
AptaFluor™

Methyltransferase Assay

Leveraging the Power of Aptamers for HTS Assays

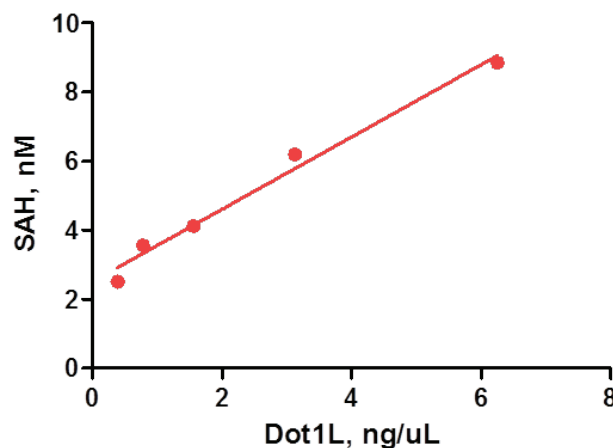
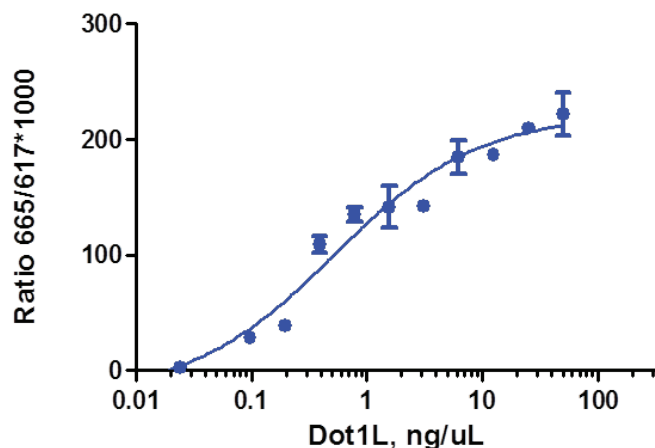
The AptaFluor™ Methyltransferase Assay uses a natural occurring aptamer, or riboswitch, that selectively binds with SAH, the invariant product of methyltransferase reactions. The exquisite affinity and selectivity of the riboswitch combined with a positive TR-FRET signal enable screening and profiling of histone methyltransferases with unparalleled sensitivity.

Direct Detection of SAH with a TR-FRET Readout



Ultra-Sensitive

The most sensitive HTS methyltransferase assay available. Reduces enzyme usage and allows the use of physiological SAM concentrations as low as 100nM.



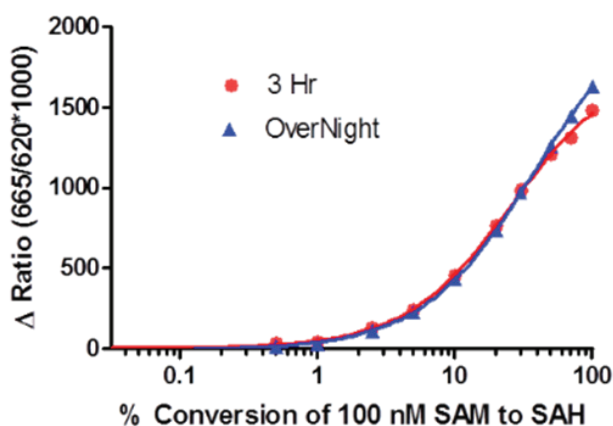
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Methyltransferase Assay



Stable

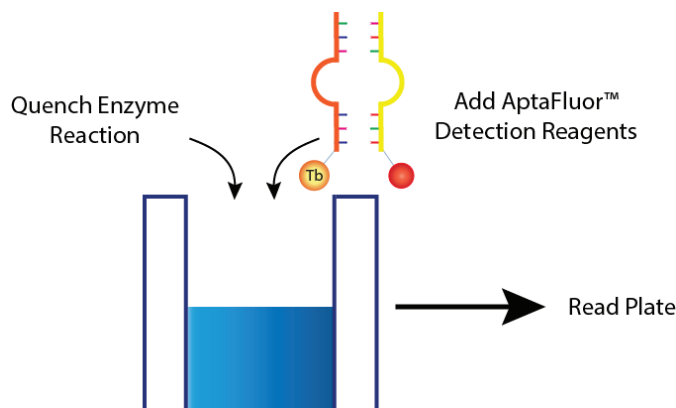
Outstanding reagent and signal stability reduces assay variability and allows for automated workflows.



% Conv	Z' Values		
	3 Hr	6Hr	ON
100	0.95	0.92	0.90
70	0.84	0.89	0.90
50	0.92	0.91	0.93
30	0.90	0.93	0.92
20	0.86	0.90	0.86
10	0.72	0.73	0.77
5	0.58	0.65	0.60
2.5	0.56	0.47	0.30

Simple & HTS Ready

The AptaFluor™ Methyltransferase Assay is in a simple, HTS-ready mix & read format. Run your enzyme reaction, add quench reagent, add AptaFluor™ reagents, and read your plates.



Interested in the most sensitive methyltransferase HTS assay available?

Email: info@bellbrooklabs.com

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