

CERTIFICATE OF ANALYSIS

Product: Flow Cytometry (FCM) Assay Kit for S-adenosylmethionine (SAM)

Catalog Number: FK00201

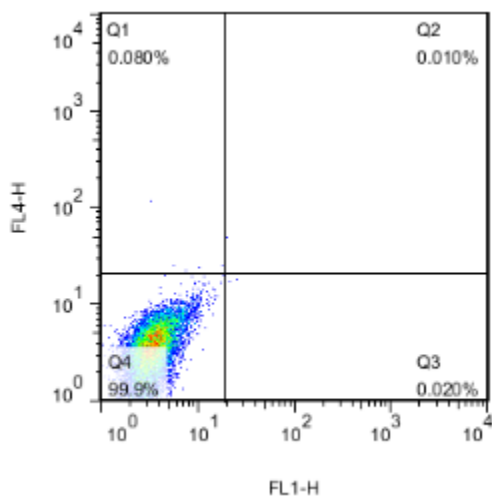
Lot Number: Lot# 480617

AF647-anti-SAM Antibody: Lot# 480616

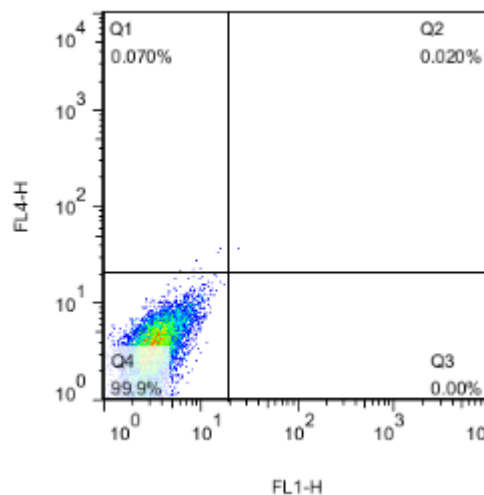
Quality Release Date: March 24, 2016

Components	Specification
AF647-anti-SAM Antibody	Tested Lot # 480616
Antibody Dilution Buffer	Tested Lot # 480617
Nucleus Fix 1	Tested commercial
Nucleus Fix 2	Tested commercial
Cytoplasm Fix	Tested commercial
Permeabilization Buffer (10x)	Tested commercial

Perform FCM per FK00201 instruction with the cell lines as indicated. FACSCalibur Flow Cytometer was used in the analysis.

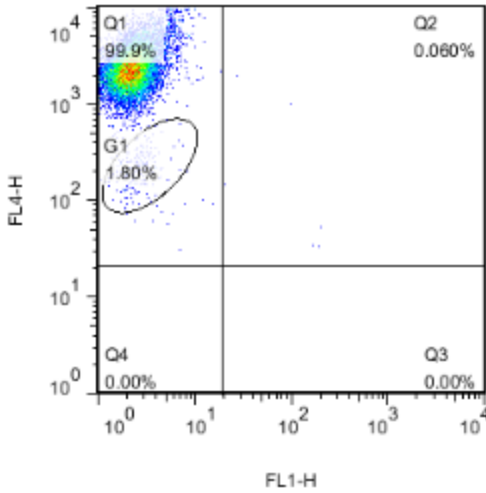


L02 Blank, Nucleus fixation/permeabilization, 24 h

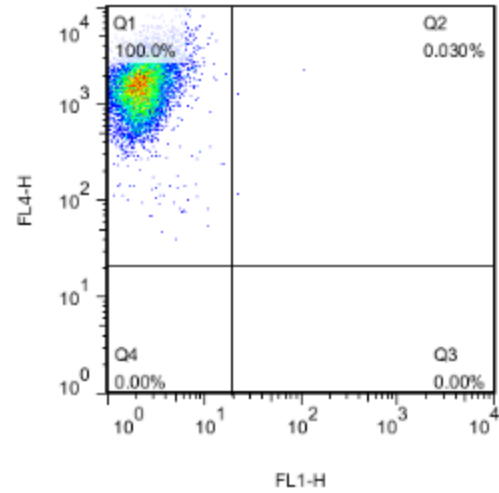


L02 Blank, Nucleus fixation/permeabilization, 48h

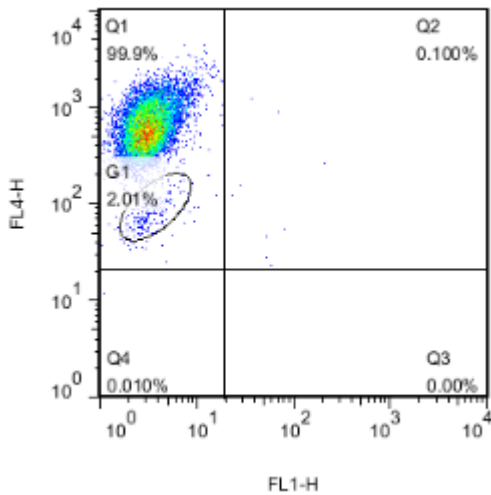
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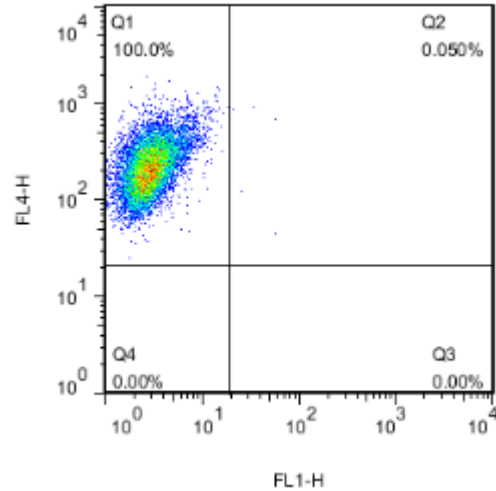
L02, Nucleus fixation/permeabilization, 24 h



L02, Nucleus fixation/permeabilization, 48h

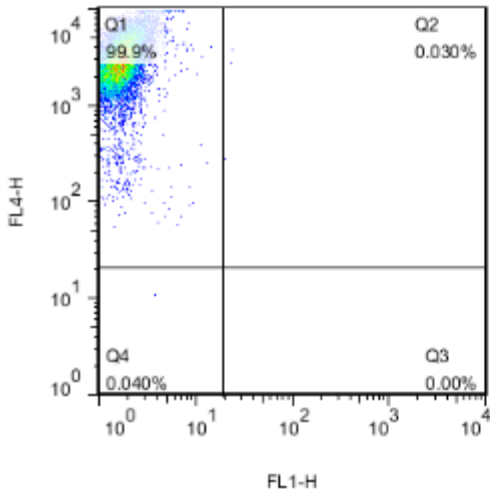


L02, Cytoplasm fixation/permeabilization, 24 h

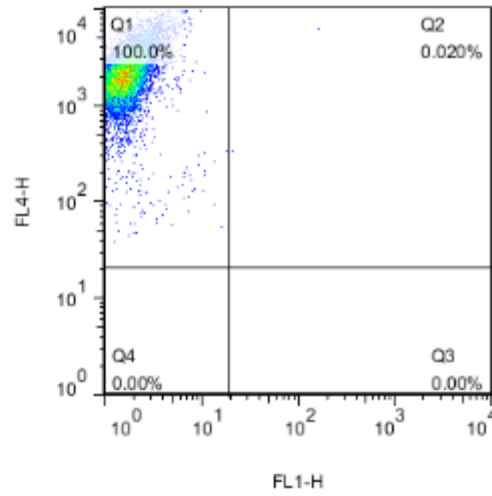


L02, Cytoplasm fixation/permeabilization, 48h

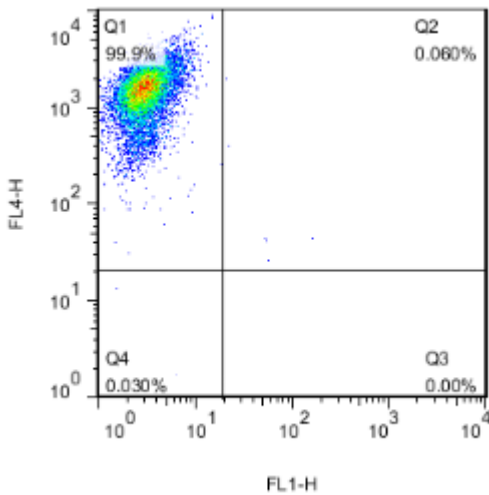
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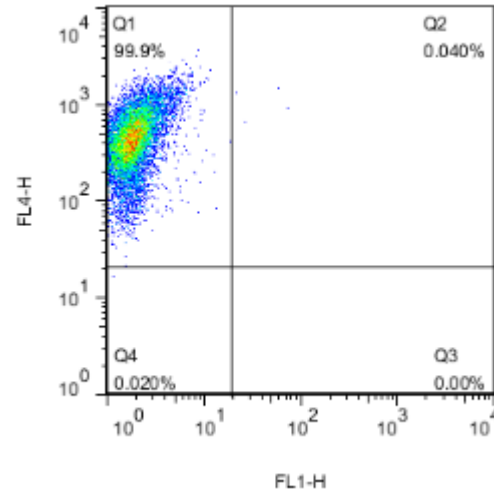
HepG2, Nucleus fixation/permeabilization, 24 h



HepG2, Nucleus fixation/permeabilization, 48h

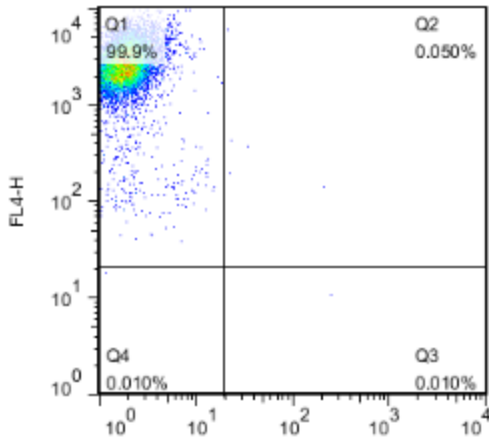


HepG2, Cytoplasm fixation/permeabilization, 24 h

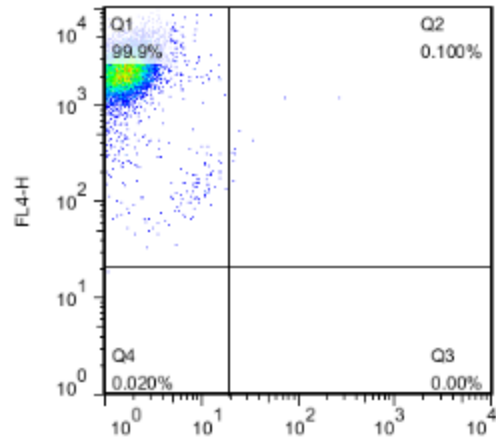


HepG2, Cytoplasm fixation/permeabilization, 48h

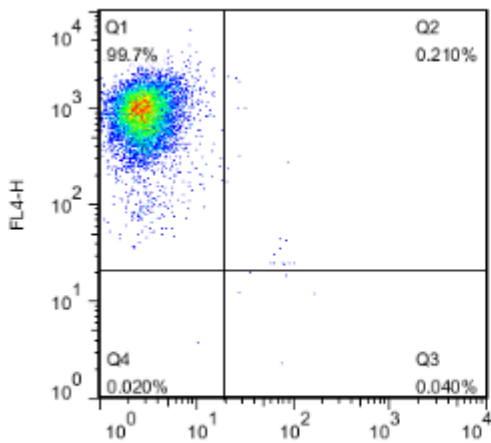
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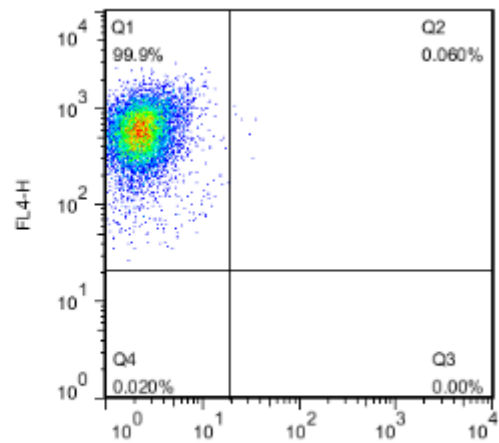
K562, Nucleus fixation/permeabilization, 24 h



K562, Nucleus fixation/permeabilization, 48h

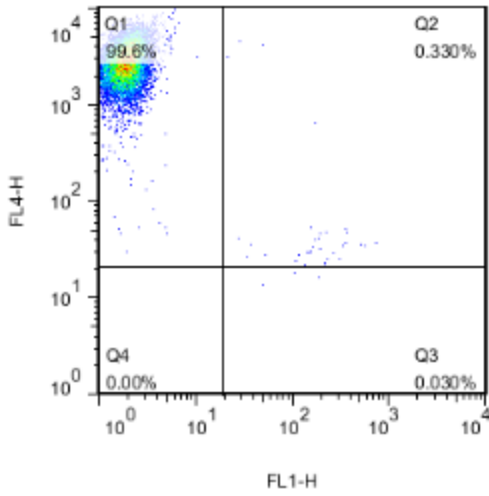


K562, Cytoplasm fixation/permeabilization, 24 h

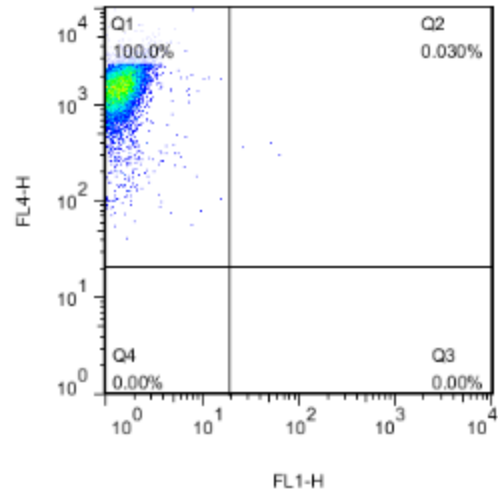


K562, Cytoplasm fixation/permeabilization, 48h

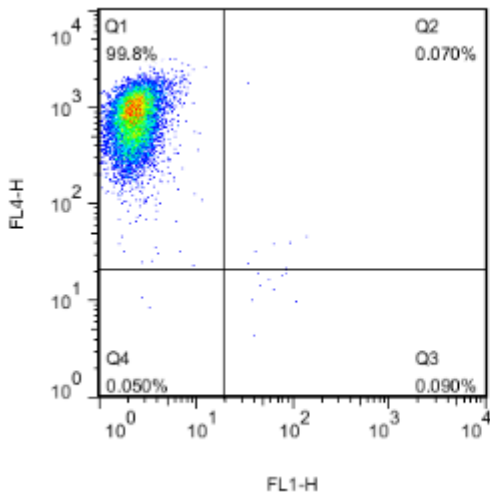
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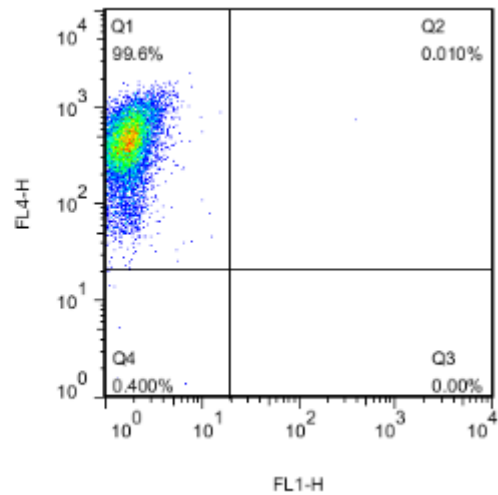
MCF, Nucleus fixation/permeabilization, 24 h



MCF, Nucleus fixation/permeabilization, 48h



MCF, Cytoplasm fixation/permeabilization, 24 h



MCF, Cytoplasm fixation/permeabilization, 48h

Geometric means of fluorescence for cell lines after cultured for 24h and 48h (from Figures above)

Group	HepG2	L02	K562	MCF
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Antibodies	CP	NU	CP	NU	CP	NU	CP	NU
AF647-118-6 24h	1586.97	3136.13	705.04	2564.91	965.05	2817.77	850.72	2903.33
AF647-118-6 48h	515.82	2295.18	253.3	1708.25	625.73	2366.94	477.05	1510.53

CP: Cytoplasmic fixation/permeabilization buffer, with which only cytoplasm targets are stained.

NU: Nuclear fixation/permeabilization buffer, with which both cytoplasm and nucleus targets are stained.

Hemans Chou
Quality Control Team

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