

## CERTIFICATE OF ANALYSIS

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

**Catalog Number:** FK00202

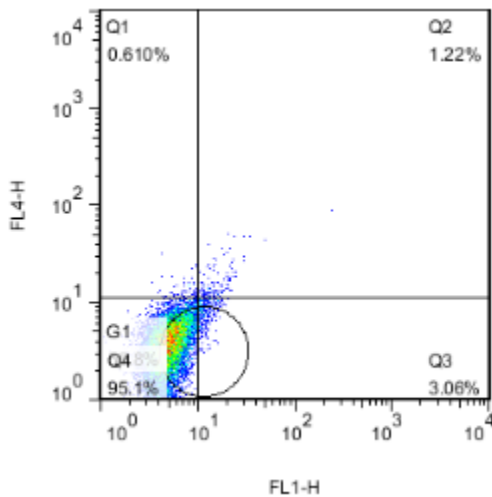
**Lot Number:** Lot# 480617

R-PE-anti-SAM Antibody: Lot# 480616

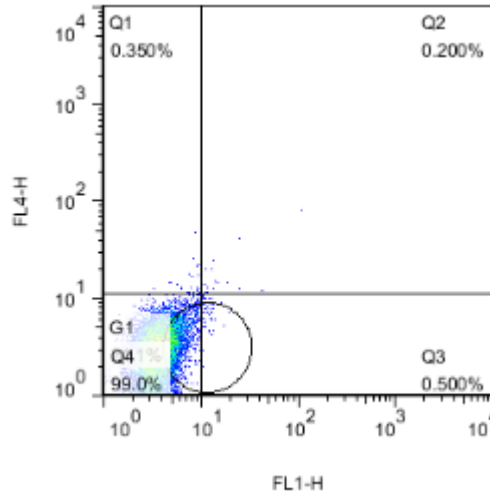
**Quality Release Date:** March 24, 2016

Components	Specification
R-PE-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 FK00202 instruction with cell lines and antibody concentration as indicated. FACSCalibur Flow Cytometer was used in the analysis.

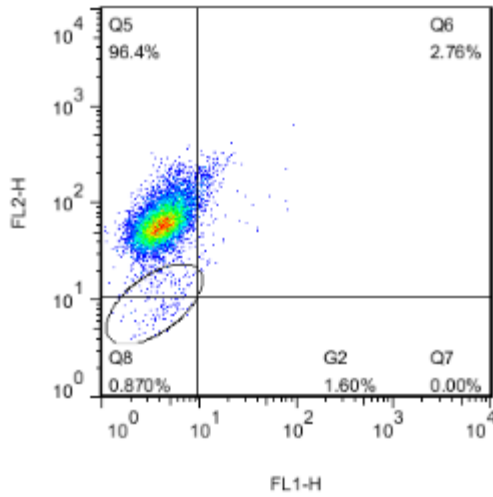


L02 Blank, Cytoplasm fixation/permeabilization, 24h

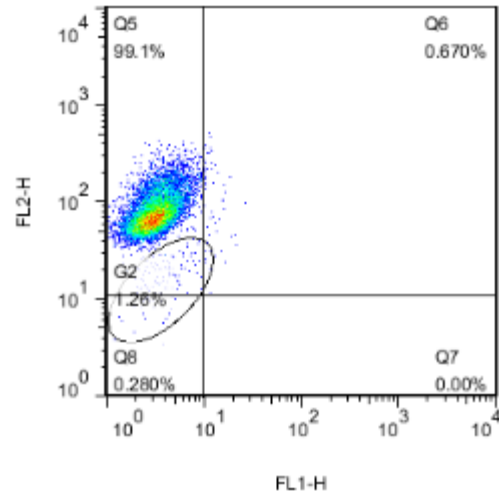


HepG2 Blank, Cytoplasm fixation/permeabilization, 24h

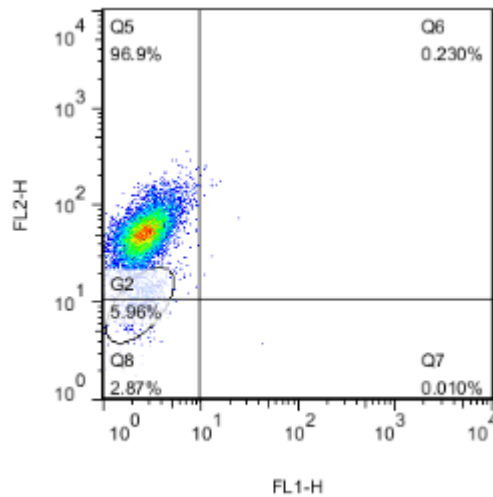
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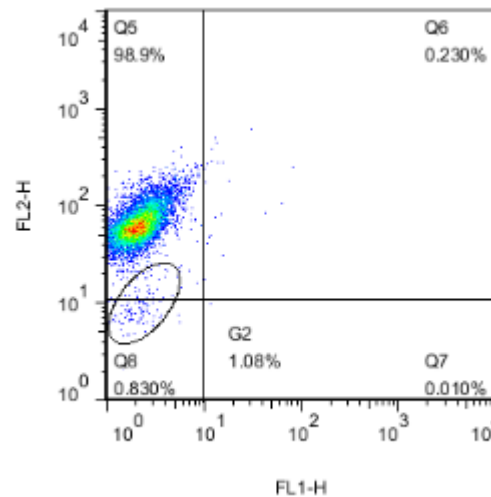
L02, Cytoplasm fixation/permeabilization, 9ug/ml



L02, Nucleus fixation/permeabilization, 9ug/ml



HepG2, Cytoplasm fixation/permeabilization, 9ug/ml



HepG2, Nucleus fixation/permeabilization, 9ug/ml

**Geometric means of fluorescence for cell lines after cultured for 24h (from separate experiment)**

Group	HepG2	L02
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Antibodies	Conc. ( $\mu$ g/ml)	CP	NU	CP	NU
R-PE-84-3	45 (the kit)		385.8		325.08
R-PE-84-3	9	43.13	25.16	57.2	71.35

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. Values shown are after blank deduction.

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Hemans Chou  
Quality Control Team

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