

CERTIFICATE OF ANALYSIS

Product: Flow Cytometry (FCM) Assay Kit for S-adenosylhomocysteine (SAH)

Catalog Number: FK00301

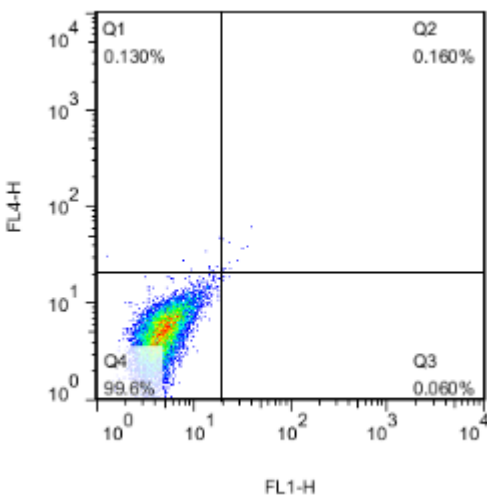
Lot Number: Lot# 480617

AF488-anti-SAH 1 Antibody: Lot# 480616

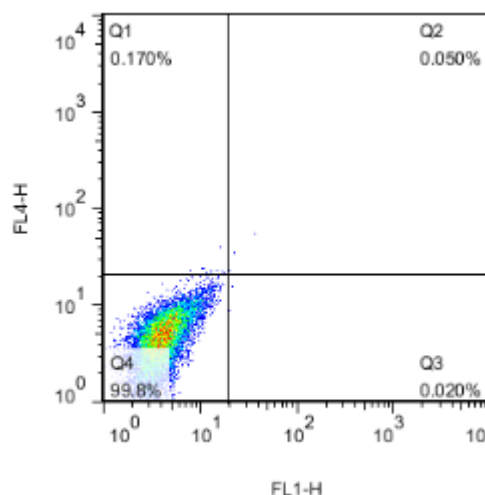
Quality Release Date: March 24, 2016

| Components | Specification |
|-------------------------------|---------------------|
| AF488-anti-SAH 1 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 FK00301 instruction with the cell lines as indicated. FACSCalibur Flow Cytometer was used in the analysis.

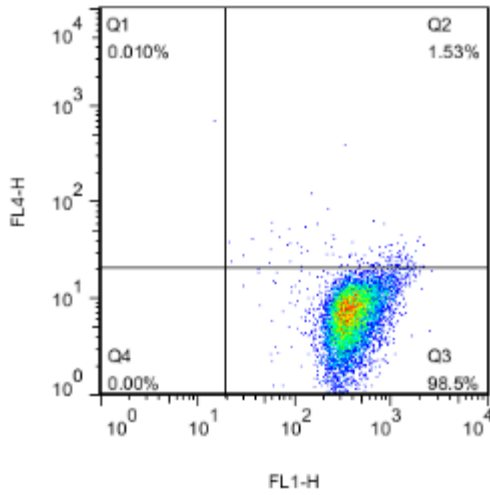


L02 Blank, Cytoplasm fixation/permeabilization, 24 h

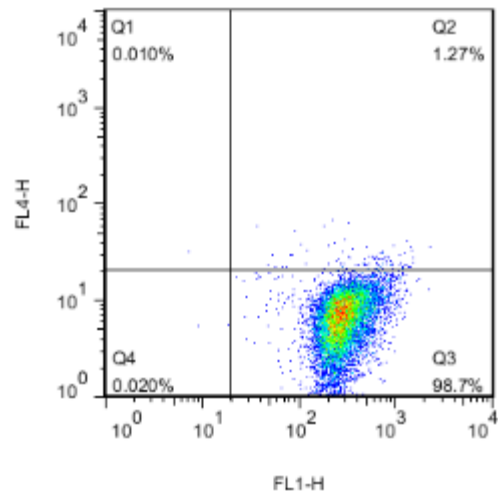


L02 Blank, Cytoplasm fixation/permeabilization, 48h

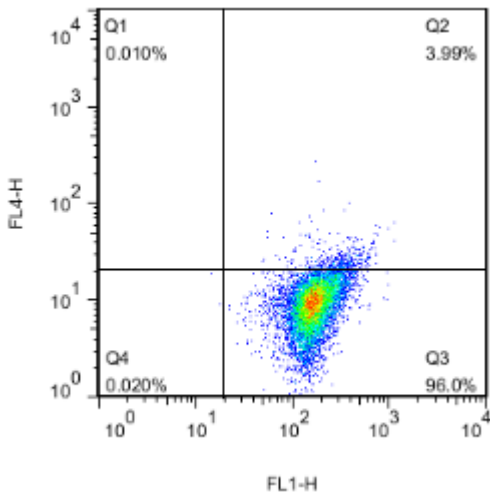
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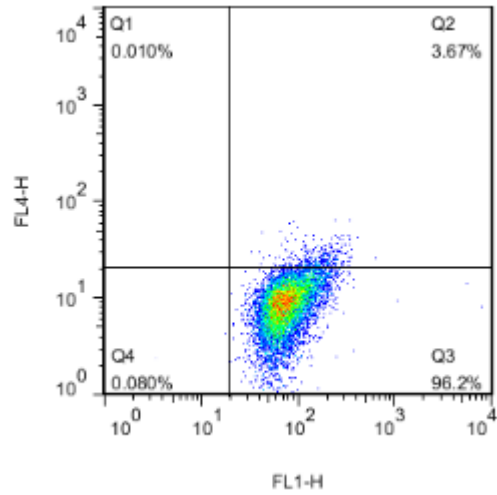
L02, Nucleus fixation/permeabilization, 24 h



L02, Nucleus fixation/permeabilization, 48h

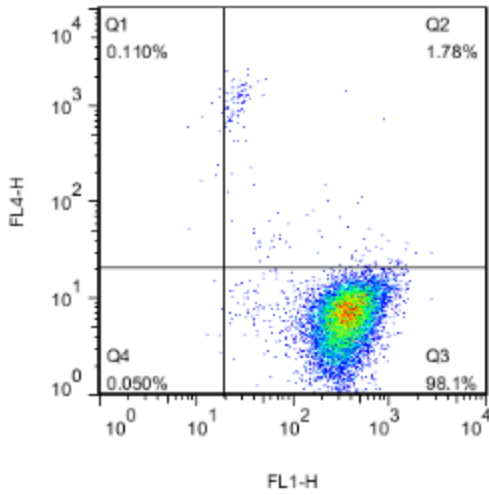


L02, Cytoplasm fixation/permeabilization, 24 h

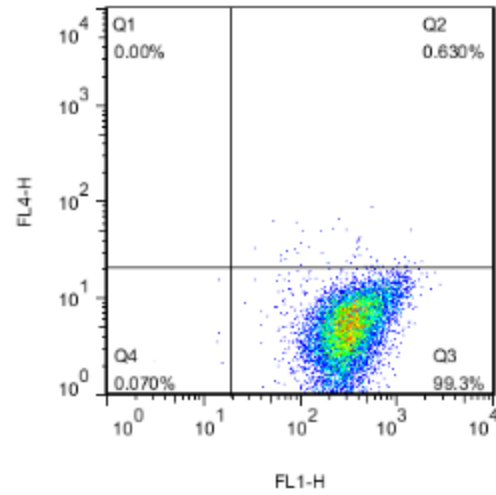


L02, Cytoplasm fixation/permeabilization, 48h

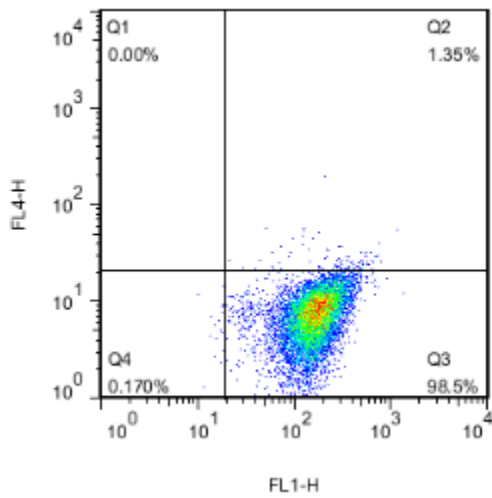
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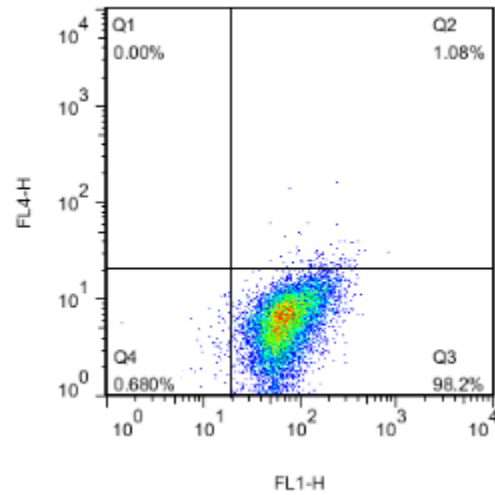
HepG2, Nucleus fixation/permeabilization, 24 h



HepG2, Nucleus fixation/permeabilization, 48h

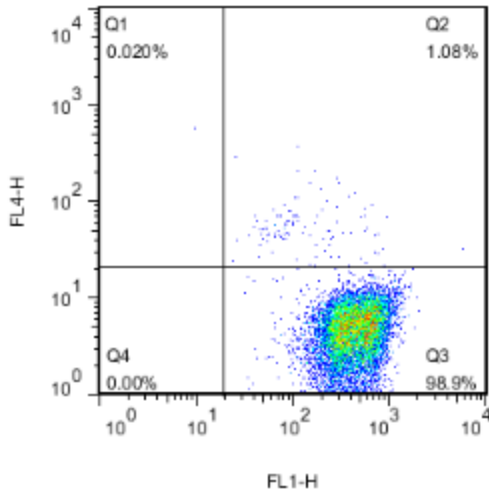


HepG2, Cytoplasm fixation/permeabilization, 24 h

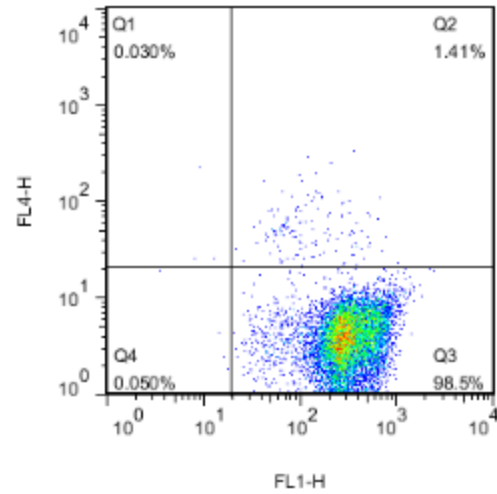


HepG2, Cytoplasm fixation/permeabilization, 48h

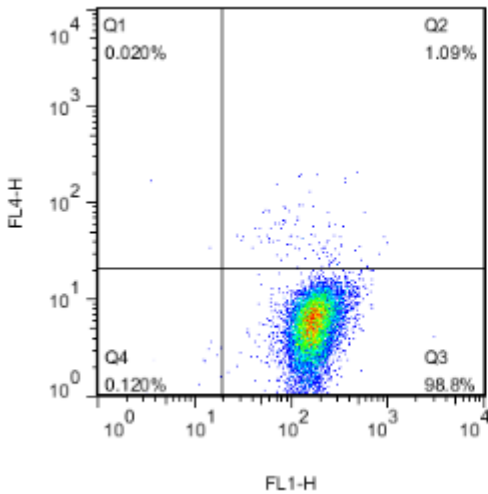
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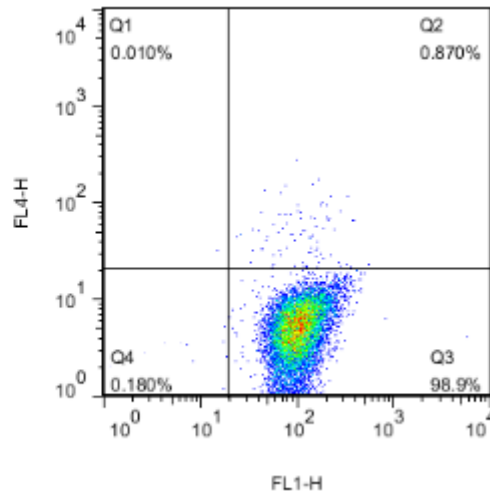
K562, Nucleus fixation/permeabilization, 24 h



K562, Nucleus fixation/permeabilization, 48h

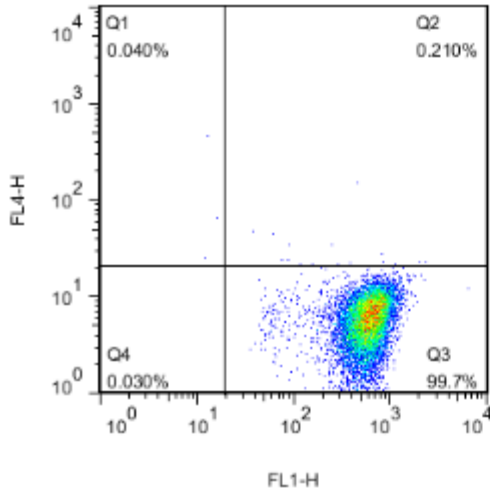


K562, Cytoplasm fixation/permeabilization, 24 h

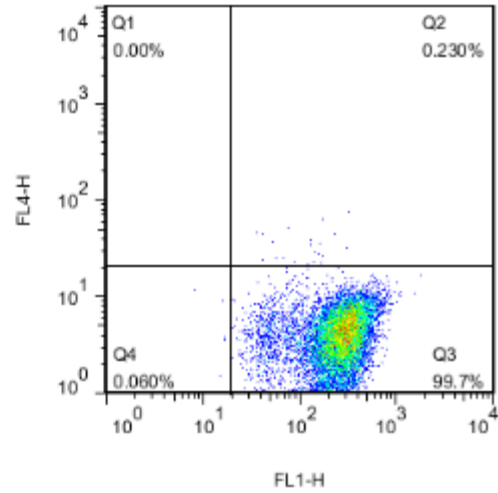


K562, Cytoplasm fixation/permeabilization, 48h

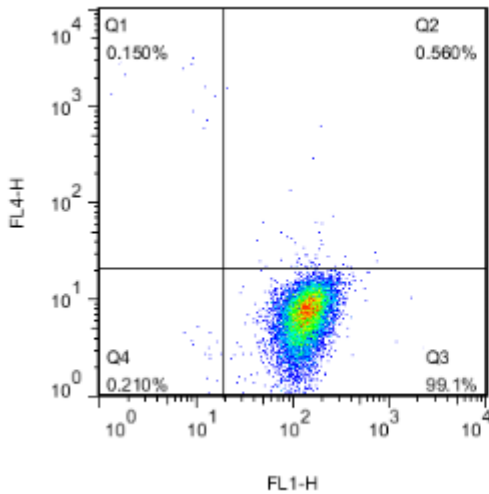
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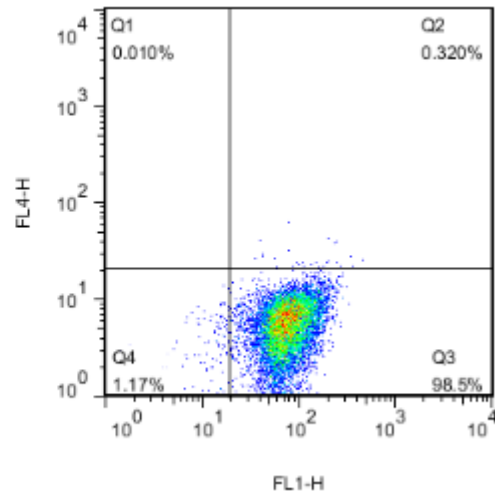
MCF, Nucleus fixation/permeabilization, 24 h



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

| Group | HepG2 | L02 | K562 | MCF |
|-------|-------|-----|------|-----|
|-------|-------|-----|------|-----|

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| Antibodies | CP | NU | CP | NU | CP | NU | CP | NU |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|
| AF488-301-3 24h | 173.98 | 387.19 | 174.76 | 428.4 | 177.03 | 470.85 | 139.88 | 605.81 |
| AF488-301-3 48h | 79.34 | 364.86 | 81.02 | 311.86 | 108.86 | 349.13 | 80.29 | 274.6 |

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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