ABclonal www.abclonal.com

ABflo® 488 Rabbit anti-4-Hydroxynonenal mAb

Catalog No.: A26080

Basic Information

Observed MW

Calculated MW

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Species independent

CloneNo number

ARC70314

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Background

4-hydroxy-2-nonenal (4-hydroxynonenal, 4-HNE) is a highly reactive aldehyde generated by the exposure of polyunsaturated fatty acids to peroxides and reactive oxygen species (ROS). It non-enzymatically forms stable protein adducts with histidine, lysine, and cysteine side chains that have been used as biomarkers for oxidative damage in cells. Conditions where 4-HNE immunoreactivity has been observed include include inflammation, neurodegenerative diseases, and ischemic damage to the heart and brain.

Recommended Dilutions

FC (intra)

5 μ l per 10^6 cells in 100 μ l volume

Immunogen Information

Gene ID

Swiss Prot

Immunogen

Chemical compounds corresponding to 4-Hydroxynonenal.

Synonyms

4-HNE

Contact

<u>a</u>		400-999-6126
\bowtie		cn.market@abclonal.com.cn
\odot	1	www.abclonal.com.cn

Product Information

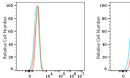
SourceIsotypePurificationRabbitIgGAffinity purification

Storage

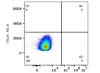
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data









Flow cytometry: 1X10^6 HeLa cells (negative control,left) and HeLa cells (treated with 4-Hydroxynonenal,right) were intracellularly-stained with ABflo® 488 Rabbit anti-4-Hydroxynonenal mAb (A26080,5 µl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10^6 HeLa cells (treated with 4-Hydroxynonenal) were intracellularly-stained with ABflo ® 488 Rabbit IgG isotype control (A22069,5 μ l/Test,left) or ABflo ® 488 Rabbit anti-4-Hydroxynonenal mAb (A26080,5 μ l/Test,right).