

# ABflo® 647 Rabbit anti-4-Hydroxynonenal mAb

Catalog No.: A26081

## Basic Information

### Observed MW

### Calculated MW

### Category

Primary antibody

### Applications

FC (intra)

### Cross-Reactivity

Species independent

### CloneNo number

ARC70314

### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

## 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 inflammation, neurodegenerative diseases, and ischemic damage to the heart and brain.

## Recommended Dilutions

**FC (intra)**      5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Immunogen Information

### Gene ID

### Swiss Prot

### Immunogen

Chemical compounds corresponding to 4-Hydroxynonenal.

### Synonyms

4-HNE

## Contact

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 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

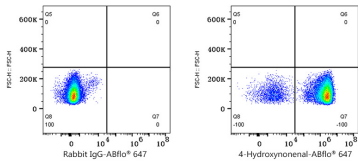
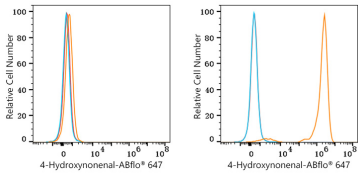
Affinity purification

### 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<sup>6</sup> HeLa cells (negative control, left) and HeLa cells (treated with 4-Hydroxynonenal, right) were intracellularly-stained with ABflo® 647 Rabbit anti-4-Hydroxynonenal mAb (A26081, 5 µl/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10<sup>6</sup> HeLa cells (treated with 4-Hydroxynonenal) were intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, left) or ABflo® 647 Rabbit anti-4-Hydroxynonenal mAb (A26081, 5 µl/Test, right).