Anti-Cleaved Caspase3-142Nd

Catalog: 3142004A
Clone: D3E9
Package Size: 50 tests
Isotype: IgG
Storage: Store product at 4°C. Do not freeze.
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

Caspase-3 (CPP32/YAMA/APOPAIN) is a 32 kDa cysteine protease that is activated during the early stages of apoptosis. Activation of caspase-3 requires proteolytic processing of its inactive zymogen into activated p17 and p12 fragments, which associate to form the active enzyme. Caspase-3 is either partially or totally responsible for the proteolytic cleavage of many key proteins, such as the nuclear enzyme poly (ADP-ribose) polymerase (PARP). Caspase-3 is widely distributed including high expression in cells of lymphoid origin, and active caspase-3 is a marker for cells undergoing apoptosis. Caspase-3 also plays an important role in morphogenetic cell death during development of the mammalian brain. The D3E9 antibody reacts with the active form of Caspase-3.

References


For technical support visit fluidigm.com/support
North America +1 650 266 6100 | Toll-Free: +1 866 358 4354 in the US | support.northamerica@fluidigm.com
Europe +33 1 60 92 42 40 | support.europe@fluidigm.com
China (excluding Hong Kong) +86 21 3255 8368 | techsupportchina@fluidigm.com
Japan +81 3 3662 2150 | techsupportjapan@fluidigm.com
All other Asian countries +1 650 266 6100 | techsupportasia@fluidigm.com
Central and South America +1 650 266 6100 | techsupportlatam@fluidigm.com

For Research Use Only. Not for use in diagnostic procedures.
This product contains antibodies manufactured by and sold under license from Cell Signaling Technology and licensees thereof.
Information in this publication is subject to change without notice. Safety data sheet information fluidigm.com/sds Patent and license information fluidigm.com/legalnotice | Fluidigm, the Fluidigm logo, and CyTOF are trademarks or registered trademarks of Fluidigm Corporation in the United States and/or other countries. © 2015 Fluidigm Corporation. All rights reserved. 07/2015