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10-1003-F: Monoclonal Antibody to Caspase-3 (Pro and Active) (Clone: ABM1C12) FITC Conjugated

Clonality: Monoclonal ABM1C12 **Clone Name:** Application: **FACS** Reactivity: Human Conjugate: **FITC** Gene: CASP3 Gene ID: 836 **Uniprot ID:** P42574 Format: Purified **Alternative Name:** Casp3, Cpp32 Isotype: Mouse IgG1 Kappa

Immunogen Information: Full length recombinant Caspase-3 protein was used as the immunogen for this antibody.

Description

Caspases are a member of the cysteine-aspartic acid protease family. Caspase-3 (31 kDa) is an executionary caspase which directly cleaves and activates poly(ADP-ribose) polymerase (PARP), sterol regulatory element binding proteins (SREBPs) or it can also interact with other caspases like caspase-6, -7 and -9. Increased levels of caspase-3 are involved in Huntington Disease-associated cell death. Caspase-3 is the principal caspase in mediating the cleavage of amyloid-beta 4A precursor protein (APP), which is related with neuronal death in Alzheimer's disease. Like other caspases, caspase-3 is also synthesized as a zymogen procaspase which is activated by specific proteolytic cleavage. High levels of caspase-3 are observed in lung, spleen, heart, liver and kidney, moderate levels in brain and skeletal muscle, and low in testis.

Product Info

Amount: 100 μg

Purification: Protein G Chromatography

Content: 25 μ g in 125 μ l/100 μ g in 500 μ l Tris and 0.05% sodium azide. Sodium azide is highly toxic.

Storage condition : Store the antibody at 4°C, stable for 6 months.

Application Note

FACS: 0.5-1 μg/10⁶



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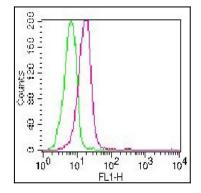


Fig-1:Intracellular FLOW cytometric analysis of Caspase 3 (Clone : ABM1C12) on Jurkat cells using 0.5 μ g of antibody. Green represents FITC conjugated IgG1 isotype control (ABEOMICS), red represents FITC conjugated anti-caspase 3 (10-1003-F) antibody.