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

Clonality :	Monoclonal
Clone Name :	ABM1C12
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 µg in 125 µl/100 µg in 500 µl 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/10^6

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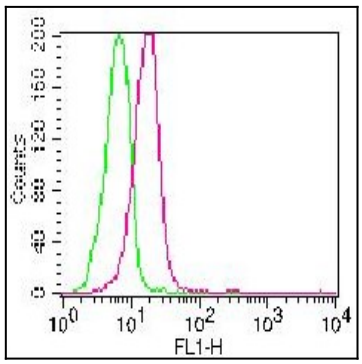


Fig-1:Intracellular FLOW cytometric analysis of Caspase 3 (Clone : ABM1C12) on Jurkat cells using 0.5 µg of antibody. Green represents FITC conjugated IgG1 isotype control (ABEOMICS), red represents FITC conjugated anti-caspase 3 (10-1003-F) antibody.

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