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10-1019-F: Monoclonal Antibody to Caspase-8 (Clone: ABM14C1) FITC Conjugated

Clonality :	Monoclonal
Clone Name :	ABM14C1
Application :	FACS
Reactivity :	Human
Conjugate :	FITC
Gene :	CASP8
Gene ID :	841
Uniprot ID :	Q14790
Format :	Purified
Alternative Name :	Apoptotic cysteine protease, Apoptotic protease Mch-5, FADD-homologous ICE/ced-3-like protease, CE-like apoptotic protease 5
Isotype :	Mouse IgG1
Immunogen Information :	A partial length recombinant protein (a.a 179-385) of Caspase-8 was used as the immunogen for this antibody.

Description

Apoptosis occurs during normal cellular development and involves dramatic changes in cellular structure. Disruption of apoptosis may contribute to cancer as well as other autoimmune diseases. Caspase family of cysteine proteases has been shown to play a key role in apoptosis. Caspase-8 is a 55 kDa cytosolic protein that is synthesized as an inactive pro-enzyme. Activation of caspase-8 involves a two-step proteolysis: the cleavage of caspase-8 to generate a 43 and a 12 kDa fragment which is further processed to 10 kDa. The p43 is then cleaved to yield p26 and the release of the active site containing p18.The Active/Cleaved Caspase-8 polyclonal antisera recognizes the large and small subunits of active/cleaved caspase-8. Whereas the antisera has a strong preference for active/cleaved caspase-8, in some cell or tissue systems or techniques the antisera may also recognize the proform of caspase-8 as well as intermediate caspase-8 cleavage fragments.

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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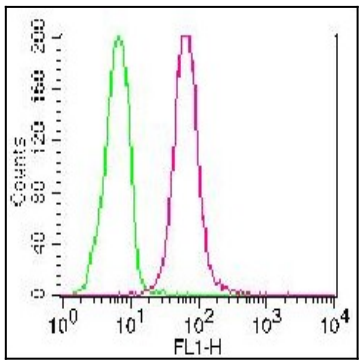

Fig-1:Intracellular FLOW analysis of Jurkat cells using 0.5 µg of antibody. Green represents FITC conjugated isotype control (Abeomics). Red represents FITC conjugated Caspase 8 (10-1019-F).