

12-4265: Cleaved PARP (Asp214) (Clone: H8) rabbit mAb PE conjugate

Clonality :	Monoclonal
Clone Name :	PARP-H8
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Format :	Conjugated
Alternative Name :	Poly [ADP-ribose] polymerase 1, PARP-1, ADP-ribosyltransferase diphtheria toxin-like 1, ARTD1, NAD(+) ADP-ribosyltransferase 1, ADPRT 1
Isotype :	Rabbit IgG1k
Immunogen Information :	A synthetic peptide corresponding to residues surrounding Asp214 of human PARP

Description

Poly-ADP-ribose polymerase 1 (PARP-1), is a substrate of caspase-3 and caspase-7, both of which play a dominant role in apoptosis. PARP is cleaved into 89 and 24 kDa fragments at Asp214. The detection of these fragments is used as an indicator of caspase activation and apoptosis induction for many cell lines. Under normal conditions, PARP aids in the detection and repair of DNA damage. With 1-2 million copies per nucleus, PARP is also involved in poly (ADP-ribosyl)ation, a post-translational protein modification mechanism used to modify chromatin structure and regulate transcription. Decreased PARP activity has been shown to lead to loss of memory and neuronal cell death.

Product Info

Amount :	10 Tests / 100 Tests
Content :	1X PBS, 0.09% NaN ₃ , 0.2% BSA
Storage condition :	Store at 2-8°C. Avoid repeated freeze and thaw cycles.

Application Note

For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells or 5 μ L per 100 μ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

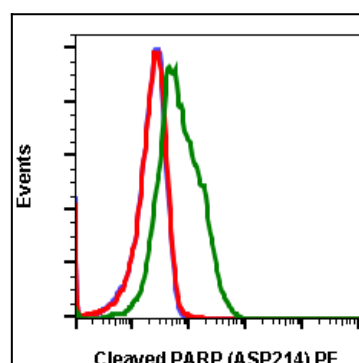


Fig-1: Flow cytometric analysis of SK.N.MC cells unstained and untreated as negative control (blue) or stained untreated (red) or treated with staurosporine (green) using Cleaved PARP (Asp214) antibody PARP-H8 PE conjugate.