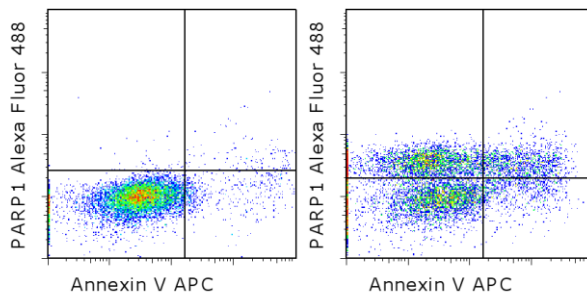


Anti-Human PARP1 (Cleaved) Alexa Fluor[®] 488

Catalog Number: 53-6668

Also known as: poly ADP-ribose polymerase

RUO: For Research Use Only. Not for use in diagnostic procedures.



Surface staining with Annexin V Apoptosis Detection Kit APC (cat. 88-8007) followed by intracellular staining of Jurkat cells stimulated with staurosporine for 2 hours (right) or left unstimulated (left) with Anti-Human PARP1 (Cleaved) Alexa Fluor[®] 488 (right) using Foxp3 Staining Buffer Set and protocol (cat. 00-5523). Total cells were used for analysis.

Product Information

Contents: Anti-Human PARP1 (Cleaved)
Alexa Fluor[®] 488

REF **Catalog Number:** 53-6668

Clone: HLNC4

Concentration: 5 μ L (0.015 μ g)/test

Host/Isotype: Mouse IgG2b, kappa

Formulation: aqueous buffer, 0.09% sodium azide, contains stabilizer if necessary

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial



Description

This HLNC4 monoclonal antibody reacts with human poly (ADP-ribose) polymerase (PARP1). This ubiquitous 116 kDa nuclear enzyme is involved in DNA repair. During apoptosis, active caspases -3, -6 and -7 cleave PARP1 after Asp214, thereby inactivating PARP1 and generating two apoptotic fragments sized 85 kDa and 25 kDa.

The HLNC4 antibody specifically recognizes the 85 kDa PARP1 fragment produced after cleavage and does not recognize the full-length 116 kDa protein. The following peptide was used as the immunogen: NH₂-GVDEVAKKKSKKEKDC-COOH.

Applications Reported

This HLNC4 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This HLNC4 antibody has been pre-titrated and tested by flow cytometric analysis of staurosporine-stimulated Jurkat cells using the Foxp3 Buffer Set (cat. 00-5523) and protocol. Click here for Staining Protocol. (Refer to Protocol B: One step protocol for intracellular (nuclear) proteins). This can be used at 5 μ L (0.015 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

References

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Related Products

00-5523 Foxp3 / Transcription Factor Staining Buffer Set

53-4714 Mouse IgG1 K Isotype Control Alexa Fluor® 488 (P3.6.2.8.1)

88-8007 Annexin V Apoptosis Detection Kit APC

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