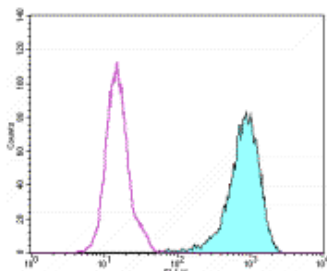


Anti-Human PCNA FITC

Catalog Number: 11-9910

Also Known As: Proliferating Cell Nuclear Antigen

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



Intracellular staining of alcohol fixed MOLT-4 cell line with Mouse IgG2a kappa Isotype Control FITC (cat. 11-4724) (open histogram) or Anti-Human PCNA FITC (filled histogram).

Product Information

Contents: Anti-Human PCNA FITC


 Catalog Number: 11-9910

Clone: PC10 (a.k.a. 3F81)

Concentration: 5 μ L (0.5 μ g)/test


Host/Isotype: Mouse IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

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

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The PC10 antibody recognizes the proliferating cell nuclear antigen (PCNA), a 36 kDa protein, also known as polymerase delta auxiliary protein. PC10 antibody reacts with human, mouse, and rat PCNA. The peak expression of PCNA occurs during the S-phase.

Applications Reported

The PC10 (a.k.a. 3F81) antibody has been reported for use in intracellular flow cytometric analysis.

Applications Tested

This PC10 (a.k.a. 3F81) antibody has been pre-titrated and tested by intracellular flow cytometric analysis of alcohol fixed MOLT-4 cells. This can be used at 5 μ L (0.5 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 10^5 to 10^8 cells/test.

References

Landberg G, Roos G. Antibodies to proliferating cell nuclear antigen as S-phase probes in flow cytometric cell cycle analysis. *Cancer Res.* 1991 Sep 1;51(17):4570-4.

Waseem NH, Lane DP. Monoclonal antibody analysis of the proliferating cell nuclear antigen (PCNA). Structural conservation and the detection of a nucleolar form. *J Cell Sci.* 1990 May;96 (Pt 1):121-9.

Hall PA, Levison DA, Woods AL, Yu CC, Kellock DB, Watkins JA, Barnes DM, Gillett CE, Camplejohn R, Dover R, et al. Proliferating cell nuclear antigen (PCNA) immunolocalization in paraffin sections: an index of cell proliferation with evidence of deregulated expression in some neoplasms. *J Pathol.* 1990 Dec;162(4):285-94.

Related Products

00-8222 IC Fixation Buffer

00-8333 Permeabilization Buffer (10X)

11-4724 Mouse IgG2a K Isotype Control FITC

88-8823 Fixation & Permeabilization Buffers

