
Anti-Human PCNA eFluor[®] 615

Catalog Number: 42-9910

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

Product Information



Contents: Anti-Human PCNA eFluor[®] 615

Catalog Number: 42-9910

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

Concentration: 0.2 mg/mL

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



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

This PC10 (a.k.a. 3F81) antibody has been reported for use in immunohistochemical and immunocytochemical staining.

Applications Tested

This PC10 (a.k.a. 3F81) antibody has been tested by immunocytochemistry on fixed and permeabilized MDCK cells at less than or equal to 0.5 ug/mL. It is recommended that this antibody be carefully titrated for optimal performance in the assay of interest. This product has not been validated for flow cytometric analysis.

Filter Recommendation: When using this eFluor[®] 615 antibody conjugate, we recommend a filter that will capture the 615 emission wavelength (for example, Excitation 560/55, 585LP, Emission 645/75). A standard Alexa Fluor[®] 594 filter is acceptable.

References

Woods AL, Hall PA, Shepherd NA, Hanby AM, Waseem NH, Lane DP, Levison DA. The assessment of proliferating cell nuclear antigen (PCNA) immunostaining in primary gastrointestinal lymphomas and its relationship to histological grade, S+G2+M phase fraction (flow cytometric analysis) and prognosis. *Histopathol* 19(1): 21-7 (1991).

Landberg G, Roos G. Antibodies to proliferating cell nuclear antigen as S-phase probes in flow cytometric cell cycle analysis. *Cancer Res* 51(17): 4570-74 (1991).

Waseem NH and Lane DP. Monoclonal antibody analysis of the proliferating cell nuclear antigen (PCNA). Structural conservation and the detection of a nucleolar form. *J. Cell Sci.* 96:121-29 (1990).

Hall PA, 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* 162(4): 285-94 (1990).

Related Products

00-4953 IHC /ICC Blocking Buffer - Low Protein

00-4954 20X TBS Wash Buffer for IHC/ICC

00-4958 Fluoromount-G[™]

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