

Novocastra™ Lyophilized Mouse Monoclonal Antibody Alpha Fetoprotein

Product Code: NCL-AFP

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human alpha fetoprotein. Also reacts with pig and dog alpha fetoprotein. Does not react with mouse, rat, cat or cow alpha fetoprotein.
Clone	C3
Ig Class	IgG2a
Antigen Used for Immunizations	Affinity isolated alpha fetoprotein from serum of a hepatoma patient.
Hybridoma Partner	Mouse myeloma (P3-X63.Ag8.653).
Preparation	Lyophilized tissue culture supernatant containing sodium azide. Reconstitute with the volume of sterile distilled water indicated on the vial label.
Effective on Frozen Tissue	Yes.
Effective on Paraffin Wax Embedded Tissue	Yes.
Recommendations on Use	Immunohistochemistry on paraffin sections. Epitope Retrieval: Not recommended. Suggested dilution: 1:100 for 30 minutes at 25 °C. This is provided as a guide and users should determine their own optimal working dilutions. Visualization: Please follow the instructions for use in the Novolink™ Polymer Detection Systems. For further product information or support, contact your local distributor or regional office of Leica Biosystems, or alternatively, visit the Leica Biosystems Web site, www.LeicaBiosystems.com <u>The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.</u>
Positive Controls	Immunohistochemistry: Fetal liver.
Staining Pattern	Cytoplasmic
Storage and Stability	Store unopened lyophilized antibody at 2-8 °C. Under these conditions, there is no significant loss in product performance up to the expiry date indicated on the vial label. The reconstituted antibody is stable for at least two months when stored at 2-8 °C. For long term storage, it is recommended that aliquots of the antibody are frozen at -20 °C (frost-free freezers are not recommended). Repeated freezing and thawing must be avoided. Prepare working dilutions on the day of use.
Warnings and Precautions	This reagent has been prepared from the supernatant of cell culture. As it is a biological product, reasonable care should be taken when handling it. This reagent contains sodium azide. A Material Safety Data Sheet is available upon request or available from www.LeicaBiosystems.com





B I O S Y S T E M S

General Overview

Alpha fetoprotein (AFP) is an oncofetal antigen of 70 kD found in body fluids. AFP is expressed in fetal liver, but is not present in adult tissues.

General References

Yazova A K, Goussev A I, Poltoranina V S, et al.. Immunology Letters. 25 (4): 325–330 (1990).