Monoclonal Mouse Antibody to Inhibin alpha

Catalog No.: Mob 435, Mob 435-05

Intended Use: This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.

Clone: R1

Immuogen: Synthetic peptide corresponding to the 1-32 amino terminal peptide of the alpha subunit of human inhibin.

Isotype: IgG2a

Format: This antibody is supplied as tissue culture supernatant containing sodium azide as a preservative.

Titer/Working Dilution: This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.

Immuno-Staining : We suggest an incubation period of 30 to 60 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.

Positive Control: Ovary

Cellular Localization: Cytoplasmic

Specificity: Inhibin is a dimeric glycoprotein hormone from TGF-beta family made of alpha and beta subunits. This antibodyrecognizes the 32kD alpha subunit of human inhibin. Inhibin alpha is expressed in a wide variety of human tissues, such as brain, prostate, adrenal, granulose cells of ovary, sertoli cells of testis, and in the fetoplacental unit. This antibody cross reacts with human and weekly with cow and pig.

Storage: Store at 2-8°C. Do not use beyond the expiration date stated on the label.

References:

i**)** Costa et al. Human Pathol 28: 1247, 1997.
ii) Groome et al. Hybridoma 9:31, 1990.
iii) Matis-Goju et al. Human Pathol 29:840, 1998.
iv) Zheng et al. App Immunol Mol Morph 7:29, 1999.

IVD: For In Vitro Diagnostic Use

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