**Inhibin, Alpha**
Concentrated and Prediluted Monoclonal Antibody
901-171-081617

**Catalog Number:** CM 171 A, B, C  
**Description:** 0.1, 0.5, 1.0 ml concentrated  
**Dilution:** 1:100

**Intended Use:**
For In Vitro Diagnostic Use

Inhibin, Alpha [BC/R1] is a mouse monoclonal antibody that is intended for laboratory use in the qualitative identification of the alpha subunit of inhibin protein by immunohistochemistry (IHC) in formalin-fixed paraffin-embedded (FFPE) human tissues. The clinical interpretation of any staining or its absence should be complemented by morphological studies using proper controls and should be evaluated within the context of the patient’s clinical history and other diagnostic tests by a qualified pathologist.

**Summary and Explanation:**
BC/R1 monoclonal antibody recognizes the 32KD alpha subunit of human inhibin. Inhibin is a peptide hormone that is produced by ovarian granulosa cells which inhibits the release of FSH. Inhibin alpha subunit is expressed in a wide range of human tissues outside the reproductive axis such as prostate, brain, adrenal, as well as in the granulosa cells of the ovary, Sertoli cells of the testis and various cells of the fetoplacental unit. Inhibin may be used as a differential marker for adrenocortical tumors, placenta and gestational trophoblastic lesions and sex cord stromal tumors.

**Principle of Procedure:**
Antigen detection in tissues and cells is a multi-step immunohistochemical process. The initial step binds the primary antibody to its specific epitope. After labeling the antigen with a primary antibody, a secondary antibody is added to bind to the primary antibody. An enzyme label is then added to bind to the secondary antibody; this detection of the bound antibody is evidenced by a colorimetric reaction.

**Source:** Mouse monoclonal
**Species Reactivity:** Human; others not tested
**Clone:** BC/R1
**Isotype:** IgG2a
**Total Protein Concentration:** ~10 mg/ml. Call for lot specific Ig concentration.
**Epitope/Antigen:** Inhibin alpha subunit
**Cellular Localization:** Cytoplasmic
**Positive Control:** Normal testis or normal ovary, adrenal gland

**Known Applications:**
Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

**Supplied As:** Buffer with protein carrier and preservative

**Storage and Stability:**
Store at 2ºC to 8ºC. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at 2ºC to 8ºC.

**Protocol Recommendations Cont'd:**

**Peroxide Block:** Block for 5 minutes with Biocare’s Peroxidized 1.
**Pretreatment:** Perform heat retrieval using Biocare’s Diva or Reveal Decloaker. Refer to the Diva or Reveal Decloaker product data sheet for specific instructions.

**Protein Block (Optional):** Incubate for 5-10 minutes at RT with Biocare’s Background Punisher.

**Primary Antibody:** Incubate for 30 minutes at RT

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Immunohistochemistry (formalin-fixed paraffin-embedded tissues)  
**Positive Control:** Normal testis or normal ovary, adrenal gland

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**Primary Antibody:** Incubate for 30 minutes at RT
Precautions Cont’d:
6. The SDS is available upon request and is located at http://biocare.net.

Troubleshooting:
Follow the antibody specific protocol recommendations according to data sheet provided. If atypical results occur, contact Biocare’s Technical Support at 1-800-542-2002.

References: