

**Inhibin, alpha Ab-1**

Catalog # MS-1863-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml)

Catalog # MS-1863-R7 (7.0ml)

Catalog # MS-1863-PCS

**INTENDED USE:**

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** Inhibin is a dimeric glycoprotein hormone from TGF-beta family made up of alpha and beta subunits. It inhibits the production of follicle-stimulating hormone from pituitary while activin stimulates the production of FSH. It is suggested that inhibin may act as a gonadal tumor suppressor.
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** Testis and sex cord stromal tumors

**MATERIALS PROVIDED:**

**Inhibin, alpha Ab-1 (refer to catalog number):**

- #MS-1863-S (or -S0, -S1): Tissue culture supernatant, concentrated, with 0.09% Sodium Azide.  
or
- #MS-1863-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.  
or
- #MS-1863--PCS: 5 positive control slides.
- **Antibody Concentration:** Not known
- **Host:** Mouse
- **Epitope:** aa 1-32
- **Species Reactivity:** Human and Cow (weak) and Pig (weak). Others not known.
- **Clone Designation:** R1
- **Ig Isotype / Light Chain:** IgG2a / kappa
- **Immunogen:** A synthetic peptide corresponding to aa1-32 of human inhibin alpha subunit.
- **Microbiological State:** This product is not sterile.

**MATERIALS REQUIRED, BUT NOT PROVIDED:**

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

**METHODS AND PROCEDURES:**

<b>Specimen Preparation</b>	Refer to the "General Protocol" instructions.
<b>Dilution of Concentrated Antibody</b>	1:10-1:20 in antibody diluent
<b>Tissue Section Pretreatment</b>	Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0 (Lab Vision catalog # AP-9003), for 10-20 minutes followed by cooling at room temperature for 20 min.
<b>Primary Antibody Incubation Time</b>	30 minutes at Room Temperature
<b>Visualization</b>	To detect antibody, follow the instructions provided with the visualization system.

**STORAGE and STABILITY:**

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

**REFERENCES:**

- 1) Groome N, et al. (1990) Hybridoma, 9:31.
- 2) Zheng W, et al. (1999) Applied Immunol Mol Mrph, 7:29.
- 3) Costa M J, et al. (1997) Human Pathol, 28:1247.
- 4) Matias-Goju X, et al. (1998) Human Pathol, 29:840.
- 5) Mellor S L, et al. 91998) J Clin Endocrinol Metabol, 83:969.