

Mouse Inhibin, alpha Monoclonal Antibody

Inhibin, alpha

CATALOG # AAA59224	HOST Mouse	REACTIVITY Human, Dog, Cat
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PRODUCT SYNONYMS

Inhibin; alpha; Monoclonal Antibody; anti-Inhibin; alpha antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Dog, Cat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	R1
Form/Format	Inhibin alpha is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Immunogen	Synthetic peptide: MVLHLLFLLITPGGHSCQGLELARELVLAQ, corresponding to amino acids 1-32 of human inhibin alpha.
Control	Adrenal Cortex, Placenta, Testis, Corpus Luteum
Localization	Cytoplasmic
Precautions	1. For professional users only. Results should be interpreted by a qualified medical professional. 2. This product contains <0.1% sodium azide (NaN₃) as a preservative. Ensure proper handling procedures are used with this reagent. 3. Always wear personal protective equipment such as laboratory coat, goggles and gloves when handling reagents. 4. Dispose of unused solution with copious amount of water. 5. Do not ingest reagent. If reagent is ingested, seek medical advice immediately. 6. Avoid contact with eyes. If contact occurs, flush with large quantities of water. 7. Follow safety precautions of the heating device used for epitope retrieval.

Staining Procedure	1. Cut and mount 3-5 micron formalin-fixed paraffin-embedded tissues on positively charged slides. 2. Air dry for 2 hours at 58° C. 3. Deparaffinize, dehydrate and rehydrate tissues. 4. Subject tissues to heat induced epitope retrieval (HIER) using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate. 5. Any of three heating methods may be used: a. TintoRetriever Pressure Cooker or Equivalent Place tissues/slides in a staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA, and place on trivet in the pressure cooker. Add 1-2 inches of distilled water to the pressure cooker and turn heat to high. Incubate for 15 minutes. Open and immediately transfer slides to room temperature. b. TintoRetriever PT Module or Water Bath Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA at 95°-99° C. Incubate for 30-60 minutes. c. Conventional Steamer Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA in a steamer, cover and steam for 30-60 minutes. 6. After heat treatment, transfer slides in ImmunoDNA Retriever with Citrate or EDTA to room temperature and let stand for 15-20 minutes. 7. For manual staining, perform antibody incubation at ambient temperature. For automated staining methods, perform antibody incubation according to instrument manufacturer's instructions. 8. Wash slides with ImmunoDNA washer or DI water. 9. Continue IHC staining protocol. Wash slides between each step with ImmunoDNA washer solution.
Mounting Protocols	For detailed instructions using biodegradable permanent mounting media such as XyGreen PermaMounter or an organic solvent based resin.
Reactivity Note	Paraffin, Frozen
Preparation and Storage	Store at 2 to 8 degree C in the dark.

IMAGES

Abbreviated Immunohistochemical Protocol						
Step	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetector Plus HRP	Antibody Type	Dilution	Volume/Qty
Peroxidase/AP Blocker	5 min.	5 min.	5 min	Tinto Prediluted	Ready-to-Use	3.0 mL
Primary Antibody	30-60 min.	30-60 min.	30-60 min.	Tinto Prediluted	Ready-to-Use	7.0 mL
1st Step Detection	10 min.	30-45 min.	15 min.	Tinto Prediluted	Ready-to-Use	15.0 mL
2nd Step Detection	10 min.	Not Applicable	15 min.	Concentrated	1:25 - 1:100	0.1 mL
Substrate-Chromogen	5-10 min.	5-10 min.	5-10 min.	Concentrated	1:25 - 1:100	0.5 mL
Counterstain / Coverslip	Varies	Varies	Varies	Concentrated	1:25 - 1:100	1.0 mL

IHC (Immunohistochemistry)
Abbreviated Immunohistochemical Protocol

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-Inhibin, alpha antibody	Inhibins are peptide hormones produced by the granulosa cells in female follicles and by Sertoli cells in the male seminiferous tubules. They are selectively expressed by cells of sex-cord stromal derivation, and inhibit the secretion of follitropin by the pituitary gland. Inhibin contains an alpha and beta subunit linked by disulfide bonds. Two forms of inhibin differ in their beta subunits (A or B), while their alpha subunits are identical. Inhibin belongs to the transforming growth factor-beta (TGF-beta) family. Anti-Inhibin Alpha has demonstrated utility in differentiation between Adrenal Cortical Tumors and Renal Cell Carcinoma. Sex-Cord Stromal Tumors of the Ovary as well as Trophoblastic Tumors also demonstrate cytoplasmic positivity with this antibody.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	208436014
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/inhibin-alpha-antibody-clone-r1-elisa/59224>