

Insulin

Catalog # 10024.05 or .10 (0.5 ml or 1.0 ml concentrated)

INTENDED USE

- **In Vitro:** This product is intended for qualitative immunohistochemistry on normal and neoplastic, formalin-fixed, paraffin embedded tissue sections, to be analyzed by light microscopy. This antibody was tested both with manual application and the most popular automated immunostainers. For research use only.
- **Description:** The antibody recognizes the biologically most active forms of insulin on the C-terminal end. The antibody labels the cytoplasm of β cells in pancreatic islets and insulinomas.
- **Expected Staining Pattern:** Cytoplasm
- **Positive Control:** Pancreas

MATERIALS PROVIDED

- **Insulin specific mouse monoclonal antibody:** #10024, purified, concentrated, in TBS pH 7.3 - 7.7, with 1% BSA and 0.09% sodium-azide.
- **Host:** Mouse
- **Epitope:** Not determined
- **Species Reactivity:** Human, rat, mouse, zebrafish.
- **Clone:** E2E3
- **Ig Isotype / Light Chain:** IgG
- **Immunogen:** Porcine insulin
- **Sterility:** This product is not sterile.
- **References:**
 - 1) Roth, J., Kloppel, G., Madsen, O. D., Stroch, M. J., and Heitz, P. U. Distribution patterns of proinsulin and insulin in human insulinomas: an immunohistochemical analysis in 76 tumors, *Virchows Arch B Cell Pathol.* 63: 51-61, 1992.

MATERIALS REQUIRED, BUT NOT PROVIDED

- Detection system
- Chromogen/substrate system

METHODS AND PROCEDURES

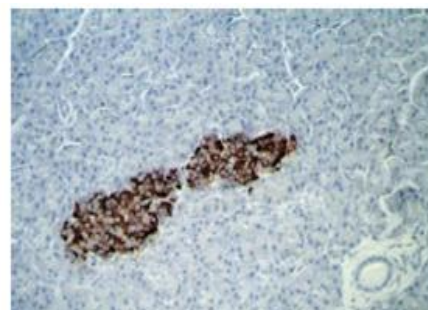
- **Tissue Section Pretreatment:** Staining of formalin-fixed tissue sections requires treating in boiling 10mM citrate buffer, pH 6.0 for 10-20 minutes. After pretreatment, leave to cool on room temperature.
- **Dilution of Concentrated Antibody:** 1:100 in antibody diluent. The recommended dilution is provided for guidance only; results may vary due to differences in the methods and protocols applied. Determination of the actual working dilution is the responsibility of the user.
- **Primary Antibody Incubation Time:** 60 minutes at room temperature.
- **Recommended Detection System:** HISTOLS®-MR (anti-mouse & rabbit Ig) (cat# 30011)
- **Visualization:** To detect antibody binding sites, follow the instructions provided with the chromogen/substrate system.

STORAGE AND STABILITY

This product contains sodium azide and is stable when stored at 2-8°C in tightly sealed original container. Do not freeze. 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.

EVALUATION

To avoid errors, the staining procedure and interpretation of the results should be performed only by authorized and appropriately trained personnel. Positive and negative control tests should always be performed to avoid false results. If any serious incident occurs during the use of the product or as a consequence of its use, it should be reported to the manufacturer or its authorized representative, as well as to the competent authority. In order to protect human health, it is recommended to follow the protective measures in accordance with good laboratory practice. The product must be handled in accordance with the warning labels affixed to it and the instructions provided in the Safety Data Sheet.



Insulin, pancreas
For research use only!

	Manufacturer		Lot number		Expiration date		Refer to the supplied documentation		Number of tests in package
	Date of manufacture		Catalog number		Storage temperature range		Caution		Caution - fragile