



American MasterTech

scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

Polyclonal Antibody to Somatostatin

Technical Data Sheet

Reagent Category

Rabbit polyclonal primary antibody to Somatostatin

Antibody Formats Supplied

- 7 ml of anti Somatostatin, Ready-To-Use
- 0.2 ml of anti Somatostatin, Concentrate

PRODUCT# IMI30061E (Ready-To-Use)

PRODUCT# IMI30052E (Concentrate)

IMMUNOGEN: Synthetic cyclic somatostatin 1-14 bound to keyhole limpet hemocyanin with carbodiimide

REACTIVITY

This antibody reacts with somatostatin contained in a variety of cells of mammalian species. Cells containing somatostatin include delta (D) cells of pancreatic islets of Langerhans and tumors originating from these cells. Somatostatin is also found in salivary gland, hypothalamus and in some of the parafollicular C cells of the thyroid. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. This antibody is compatible with formalin fixative as well as most commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Pancreas/ intestine

Antibody FORMATS, DILUTIONS and INCUBATIONS

This affinity purified polyclonal anti somatostatin antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

7 ml of pre-titered, Ready-to-Use, Do not dilute. Incubate for 10-30 minutes. This antibody best stains when formalin fixed paraffin embedded tissues is retrieved, for best results the use of Uni-Trieve, the 60°C low temperature retrieval technology is highly recommended (see the special usage guidance of this data sheet).

0.2 ml of concentrate; for 10-30 minute incubation, dilute 1:50-1:100, the working titer and incubation time must be determined by the end user. This antibody best stains when formalin fixed paraffin embedded tissues is retrieved, for best results the use of Uni-Trieve, the 60°C low temperature retrieval technology is highly recommended (see the special usage guidance of this data sheet).

SPECIAL USAGE GUIDANCE

Heat retrieval is highly recommended when staining formalin fixed paraffin embedded tissue sections. For best results, the use of Innovex Uni-Trieve, the 60°C, Low temperature retrieval technology is highly recommended. Simply incubate slides in 60°C Innovex Uni-Trieve solution for 30 minutes prior to applying the primary antibody.

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APPLICATIONS

This antibody is intended for use in immunolocalization of somatostatin proteins by a variety of immunoassays such as Immunochemistry, immunofluorescence, ELISA, Immunoblotting and dot blotting. In immunochemistry and immunofluorescence, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections of human or animal tissues for the purpose of qualitative and quantitative localization of somatostatin antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody is reactive with human and most mammalian tissues, other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY