

# Somatostatin Monoclonal Antibody (ICDCLS), eBioscience™

## Product Details

Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	ICDCLS
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_2572982

Applications	Tested	Dilution	Published
Immunohistochemistry (Paraffin) (IHC (P))	✓	0.1 µg/mL	

## Product Specific Information

**Description:** The monoclonal antibody ICDCLS recognizes human, mouse, and rat Somatostatin. Somatostatin, also known as growth hormone-inhibiting hormone (GHIH) or somatotrophin release-inhibiting factor (SRIF), is a peptide hormone with two active forms (14 and 28 amino acids) produced by alternative cleavage of a single preproprotein. Somatostatin is secreted by the delta cells of the islet of Langerhans in the pancreas as well as by the hypothalamus and intestine. Somatostatin has a variety of functions, such as regulating the endocrine system and affecting neurotransmission and cell proliferation. Somatostatin also inhibits the release of numerous secondary hormones, such as insulin and glucagon. Somatostatin can be used to identify medium size aspiny neurons in the striatum, cortex, and hippocampus. Expression of somatostatin is present in hyperplasia of the pancreatic islets as well as islet cell tumors such as somatostatinomas.

**Applications Reported:** This ICDCLS antibody has been reported for use in immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and microscopy.

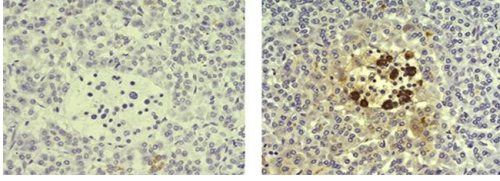
**Applications Tested:** This ICDCLS antibody has been tested by immunohistochemistry of formalin-fixed paraffin embedded human tissue using low pH antigen retrieval and can be used at less than or equal to 0.1 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Purity:** Greater than 90%, as determined by SDS-PAGE.

**Aggregation:** Less than 10%, as determined by HPLC.

**Filtration:** 0.2 µm post-manufacturing filtered.

## Product Images For Somatostatin Monoclonal Antibody (ICDCLS), eBioscience™



### Somatostatin Antibody (14-9751-82) in IHC (P)

Immunohistochemistry of formalin-fixed paraffin embedded human pancreas tissue using 0.1 µg/mL of Mouse IgG1 K Isotype Control Purified (left) or 0.1 µg/mL of Anti-Somatostatin Purified (right) followed by Anti-Mouse IgG Biotin, Streptavidin-HRP, and DAB visualization. Nuclei are counterstained with hematoxylin.

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