Human Somatostatin Alexa Fluor® 488-conjugated Antibody

Monoclonal Rabbit IgG Clone # 2957D
Catalog Number: FAB11635G
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects a peptide specific for Somatostatin-28 in Direct ELISA.
Source	Monoclonal Rabbit IgG Clone # 2957D
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic Peptide Accession # P61278
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Somatostatin (SST), also known as SMST, is a 116 amino acid (aa) peptide hormone protein and shares 96% aa identity with mouse and rat SST. It exists as a preproprotein that is cleaved into a proprotein form and then subsequently into 14 aa and 28 aa active peptide forms. SST is secreted by many tissues throughout the body and inhibits the secretion of many other hormones. Some of its major roles are inhibiting growth hormone secretion by the pituitary gland, insulin and glucagon secretion in pancreatic islets, and secretion of gastrointestinal tract hormones such as gastrin. Additionally, SST has been shown to have neuromodulatory activity.

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