Mouse Insulin+Proinsulin Monoclonal Antibody | anti-INS antibody

Insulin+Proinsulin antibody

CATALOG #	HOST	APPLICATIONS
AAA74491	**Mouse**	**Immunohistochemistry**

PRODUCT SYNONYMS

Insulin+Proinsulin; Monoclonal Antibody; Insulin+Proinsulin antibody; Monoclonal Insulin+Proinsulin; Anti-Insulin+Proinsulin; Insulin & Proinsulin; Anti Insulin+Proinsulin; Insulin/Proinsulin; anti-INS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	D6C4
Specificity	Rat/Murine
Purity/Purification	Insulin+Proinsulin antibody was purified by chromatography on protein A Sepharose.
Form/Format	Protein A purified liquid in PBS buffer, pH 7.4, containing 0.09% Sodium azide
Concentration	6.0mg/ml (varies by lot)
Applicable Applications for anti-INS antibody	IHC (Immunohistochemistry)
Affinity Constant	~8.1 x 10^8 Liters/Mole
Cross Reactivity	Humna, bovine, and porcine insulin and proinsulin
Immunogen	Insulin/proinsulin antibody was raised in mouse using purified mouse insulin and proinsulin as the immunogen.
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Biological Significance	Insulin is a hormone that is central to regulating carbohydrate and fat metabolism in the body. Insulin causes cells in the liver, muscle, and fat tissue to take up glucose from the blood, storing it as glycogen in the liver and muscle. Proinsulin is the prohormone precursor to insulin made in the beta cells of the islets of Langerhans, specialized regions of the pancreas. In humans, proinsulin is encoded by the INS gene.
Preparation and Storage	Store at 4°C short term, or - 20°C for long term storage.

ADDITIONAL INFORMATION

Related Product Information for anti-INS antibody	Mouse monoclonal Insulin+Proinsulin antibody
Product Categories/Family for anti-INS antibody	Hormones & Steroids

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557671

NCBI GeneID	3630
NCBI Accession #	NP_000198.1
NCBI GenBank Nucleotide #	NM_000207.2
UniProt Accession #	P01308; Q5EEX2
NCBI Official Full Name	insulin preproprotein
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	IDDM; ILPR; IRDN; IDDM1; IDDM2; MODY10
NCBI Protein Information	insulin
UniProt Protein Name	Insulin
UniProt Gene Name	**INS**
UniProt Entry Name	INS_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/monoclonal/insulinproinsulin-antibody-clone-d6c4-immunohistochemistry-elisa/74491