



Anti-Proinsulin monoclonal antibody, clone 5C3 (DMABT-H4145MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse Anti-INS Monoclonal Antibody
Antigen Description	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.
Specificity	Reacts with the site of connection of C-peptide and C-end of B-chain of proinsulin molecule. Does not cross-react with human, bovine, porcine insulin, bovine and porcine proinsulin, and human C-peptide.
Target	INS
Immunogen	Purified human proinsulin
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	5C3
Purification	>90% pure (SDS-PAGE). Protein A chromatography.
Conjugate	Unconjugated
Applications	IA, IHC-Fr, pr*
Format	Purified, Liquid
Concentration	5.7mg/ml (OD280nm, E0.1% = 1.4)

Size	1 mg
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide
Storage	Store at 2–8 °C

GENE INFORMATION

Gene Name	INS insulin [Homo sapiens]
Official Symbol	INS
Synonyms	INS; insulin; proinsulin; ILPR; IRDN; IDDM2; MODY10;
Entrez Gene ID	3630
Protein Refseq	NP_000198
UniProt ID	I3WAC9
Chromosome Location	11p15.5
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Amyloids, organism-specific biosystem; Arf6 trafficking events, organism-specific biosystem; Developmental Biology, organism-specific biosystem;
Function	hormone activity; hormone activity; hormone activity; insulin receptor binding; insulin receptor binding; insulin-like growth factor receptor binding; protein binding;