



# Anti-Proinsulin monoclonal antibody, clone 3I6 (DMABT-H4143MH)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse Anti-INS Monoclonal Antibody
<b>Antigen Description</b>	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.
<b>Specificity</b>	Does not cross-react with human, bovine, porcine insulin, bovine and porcine proinsulin and human C-peptide
<b>Target</b>	INS
<b>Immunogen</b>	Purified human proinsulin
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	3I6
<b>Purification</b>	>90% pure (SDS-PAGE). Protein A chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IA, IHC-Fr, pr*
<b>Procedure</b>	Cardiac markers Antibodies
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	5.3mg/ml (OD280nm, E0.1%=1.4)
<b>Size</b>	1mg
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Store at 2–8 °C
<b>Warnings</b>	This product contains sodium azide, which has been classified as Xn (Harmful), in European

Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">INS insulin [ Homo sapiens ]</a>
<b>Official Symbol</b>	INS
<b>Synonyms</b>	INS; insulin; proinsulin; ILPR; IRDN; IDDM2; MODY10;
<b>Entrez Gene ID</b>	<a href="#">3630</a>
<b>Protein Refseq</b>	<a href="#">NP_000198</a>
<b>UniProt ID</b>	<a href="#">I3WAC9</a>
<b>Chromosome Location</b>	11p15.5
<b>Pathway</b>	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;
<b>Function</b>	hormone activity; hormone activity; hormone activity; insulin receptor binding; insulin receptor binding; insulin-like growth factor receptor binding; protein binding;