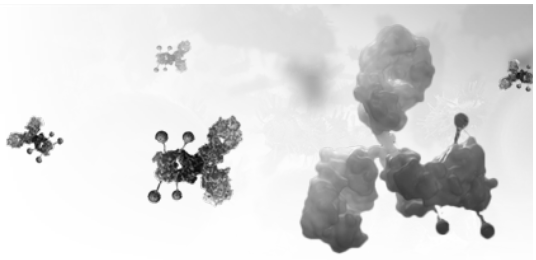

Anti-INS monoclonal antibody, clone 4B7 (DMAB3826MH)

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

PRODUCT INFORMATION

Product Overview	Monoclonal Antibody to Human Insulin
Specificity	Human insulin. Cross-reacts with human proinsulin, bovine insulin (30%) and porcine insulin. No crossreaction with free C-peptide.
Immunogen	Purified human insulin
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4B7
Affinity Constant	8.0 x 108 M-1
Purification	90% pure (SDS-PAGE). Protein A chromatography
Conjugate	Unconjugated
Applications	Detection of insulin in two-site enzyme immunoassay. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended pairs for sandwich immunoassay: • **Capture** DMAB3826MH • **Detection** DMAB3827MH

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Format	Purified, Liquid
Concentration	7.2mg/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	INSinsulin [Homo sapiens]
Official Symbol	INS
Synonyms	INS; insulin; ILPR; IRDN; IDDM2; MODY10; proinsulin; OTTHUMP00000011161; OTTHUMP00000011162; OTTHUMP00000196036; OTTHUMP00000196038; OTTHUMP00000217519; Insulin B chain; Insulin A chain
Entrez Gene ID	3630
Protein Refseq	NP_000198
UniProt ID	I3WAC9
Chromosome Location	11p15.5
Pathway	Adipogenesis; Arf6 trafficking; Diabetes; Folate Metabolism; IRS activation; Oocyte meiosis; SHC-related; Selenium; Senescence and Autophagy; Synthesis, Secretion, and Deacylation of Ghrelin; Type I diabetes mellitus; mTOR
Function	hormone activity; hormone activity; hormone activity; insulin receptor binding; insulin receptor binding; insulin-like growth factor receptor binding; protein binding

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