

Anti-human Insulin Monoclonal Antibody

Specification Sheet

Catalog #:	MI054
Lot #:	D3392
Description:	Monoclonal Antibody to Human Insulin
Specificity:	This antibody reacts with human insulin. It does not react with C-peptide.
Clone:	1B111H3
Host Animal:	Hybridization of P3x63-Ag 9.653 myeloma cells with spleen cells from Balb/c mouse
Isotype:	IgG1
Source:	Mouse ascites
Immunogen:	Synthetic human insulin
Format:	Purified, liquid
Purification:	DEAE chromatography
Concentration:	2.15 mg/mL (OD280 nm, $E^{0.1\%} = 1.40$)
Affinity Constant:	Not determined
Buffer:	0.015M potassium phosphate buffer, 0.85% NaCl, 0.05% NaN ₃ pH=7.2
Pairing Assays:	MI052's detection antibody
Purity:	>95% by HPLC and SDS-PAGE
Application:	Human insulin quantitative assays by EIA
Storage:	2-8° C for 1 year; -20° C for long term

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