

## Anti-human Insulin Monoclonal Antibody

### Specification Sheet

<b>Catalog #:</b>	MI052
<b>Lot #:</b>	D3389
<b>Description:</b>	Monoclonal Antibody to Human Insulin
<b>Specificity:</b>	This antibody reacts with human insulin. It does not react with C-peptide.
<b>Clone:</b>	4G81A11
<b>Host Animal:</b>	Hybridization of P3x63-Ag 9.653 myeloma cells with spleen cells from Balb/c mouse
<b>Isotype:</b>	IgG1
<b>Source:</b>	Mouse ascites
<b>Immunogen:</b>	Synthetic human insulin
<b>Format:</b>	Purified, liquid
<b>Purification:</b>	DEAE chromatography
<b>Concentration:</b>	3.32 mg/mL (OD280 nm, $E^{0.1\%} = 1.40$ )
<b>Affinity Constant:</b>	Not determined
<b>Buffer:</b>	0.015M potassium phosphate buffer, 0.85% NaCl, 0.05% NaN <sub>3</sub> pH=7.2
<b>Pairing Assays:</b>	MI051 MI054's detection antibody
<b>Purity:</b>	>95% by HPLC and SDS-PAGE
<b>Application:</b>	Human insulin quantitative assays by EIA
<b>Storage:</b>	2-8° C for 1 year; -20° C for long term

**For research use only**