

## Product datasheet for **BM4073S**

### Insulin (INS) Mouse Monoclonal Antibody [Clone ID: IN-05]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	IN-05
Applications:	ELISA, FN, IHC, R
Recommended Dilution:	<b>ELISA.</b> <b>RIA.</b> <b>Immunocytochemistry.</b> <b>Functional Application.</b> <b>Immunohistochemistry on Paraffin Sections.</b>
Reactivity:	Bovine, Human, Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Porcine Insulin
Specificity:	The antibody reacts with insulin, one of the major regulatory endocrine hormones of intermediate metabolism, normally secreted by the beta cells (a type of islet cells) of the pancreas; it is also present in tumors of B cell origin such as insulinoma. The antibody IN-05 blocks binding of Insulin to the receptor.
Formulation:	Phosphate buffered saline (PBS), pH~7.3 with 15 mM Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	insulin



[View online »](#)

**Database Link:** [Entrez Gene 3630 Human P01308](#)

**Background:** Insulin and glucagon are pancreatic endocrine hormones secreted by islet cells within the pancreas. The stimulus for insulin secretion is a HIGH blood glucose. Deficiency of insulin results in diabetes mellitus, one of the leading causes of morbidity and mortality in the general population.

**Synonyms:** INS