

## Product datasheet for **BM505**

### Insulin (INS) Mouse Monoclonal Antibody [Clone ID: E6-E5 (7F8)]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	E6-E5 (7F8)
Applications:	ELISA
Recommended Dilution:	ELISA: BM505 is suitable for use as Coating antibody in a Sandwich ELISA with AM02306PU-N as the Detection antibody.
Reactivity:	Bovine, Human, Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human Insulin.
Specificity:	BM505 recognizes Insulin, a major metabolic hormone produced by B cells of the pancreas.
Formulation:	PBS containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
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
Database Link:	<a href="#">Entrez Gene 3630 Human P01308</a>



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**Background:**

Insulin is one of the major regulatory hormones of intermediate metabolism throughout the body. The biological actions of this hormone involve integration of carbohydrate, protein, and lipid metabolism. Insulin enhances membrane transport of glucose, amino acids, and certain ions. It also promotes glycogen storage, formation of triglycerides and synthesis of proteins and nucleic acids. Immunocytochemical investigations have localized insulin in the B cells of pancreatic islets of Langerhans. Deficiency of insulin results in diabetes mellitus, one of the leading causes of morbidity and mortality in the general population. Insulin is also present in tumors of B cell origin such as insulinoma.

**Synonyms:**

INS