

Mouse Anti Human Insulin
Certificate of Analysis and Data Sheet

Source: mouse	Catalog No. ANT-100
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➤ **Physical Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

➤ **Clone:**

C7C9, D4B8, 7F8, 3A6, 8E2, 7F5

These clones have been derived from hybridization of X63-Ag8-653 myeloma cells with spleen cells of Balb/c mice immunized with purified human insulin.

➤ **Isotype:**

IgG1 kappa for all clones

➤ **Specificity:**

Human Insulin

➤ **Reactivity:**

Clone C7C9 reacts with c-terminal pentapeptide of insulin b-chain. Clones 7F8, D4B8, 3A6 and 8E2 react with different antigenic determinants.

Kass for clone 7F8 is $7.5 \times 10^9 M^{-1}$

Kass for clone D4B8 is $1.5 \times 10^8 M^{-1}$

Kass for clone 3A6 is $8.0 \times 10^8 M^{-1}$

Kass for clone 8E2 is $6.0 \times 10^8 M^{-1}$

Kass for clone C7C9 is $1.0 \times 10^9 M^{-1}$

Kass for clone 7F5 is $1.0 \times 10^9 M^{-1}$

These antibodies cross-react with human proinsulin, bovine insulin (30%) and porcine insulin. No cross-reaction with free C-peptide.

↻ **Reconstitution:**

Reconstitute with sterile H₂O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

↻ **Formulation:**

Each vial contains antibodies in PBS, pH 7,4, containing 0,1% of sodium azide as preservative.

↻ **Storage:**

Store at 4C, stable for 6 months. For long-term storage, store at -20C

↻ **Stability:**

Two years lyophilized, one month in solution at 4°C.

↻ **Purification:**

Purified by chromatography on protein A Sepharose. Purity is tested by electrophoresis.

↻ **Applications:**

Detection of insulin in two-site enzyme immunoassay.
The following pairs are recommended: 7F8 - D4B8, 3A6 - 8E2
Clone D4B8 can be used in immunohistochemistry on frozen sections.

↻ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.