



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Insulin. Mouse Monoclonal Antibody

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.

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from mice immunized with full-length insulin protein and mouse myeloma cells.

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Antibody can be used for Western blotting (1-5 $\mu\text{g/ml}$), immunohistochemistry on formalin-fixed, paraffin-embedded tissues (1-2 $\mu\text{g/ml}$, incubate at room temp. for at least 1 hr.) and ELISA. Optimal concentration should be evaluated by serial dilutions.

ORDERING INFORMATION

CATALOG NUMBER

X1843M

SIZE

100 μg

FORM

Unconjugated

HOST/CLONE

Mouse Clone E2E3

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG1

APPLICATIONS

ELISA, Immunohistochemistry, Western Blot

SPECIES REACTIVITY

Human, Bovine, Porcine

ACCESSION NUMBER

P01308, Human

PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Roth, J., et al. "Distribution patterns of proinsulin and insulin in human insulinomas: an immunohistochemical analysis in 76 tumors." *Virchows Arch B Cell Pathol Incl Mol Pathol* 63, 51-61 (1992).
2. Nykiforuk, C.L., et al. "Transgenic expression and recovery of biologically active recombinant human insulin from *Arabidopsis thaliana* seeds." *Plant Biotechnology J.* 4, 77-85 (2006)
3. Lee, A.H., et al. "XBP-1 is required for biogenesis of cellular secretory machinery of exocrine glands." *EMBO J.*, 24, 4368-4380 (2005)