Product datasheet

anti-Insulin mouse monoclonal, 2D11-H5, purified

Short overview

Cat. No.	691512
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	2D11-H5
Immunogen	Purified pig insulin, conjugated to KLH
Formulation	PBS with 0.02% sodium azide
UniprotID	P01317 (Bovine), P01308 (Human), P01326 (Mouse), P01315 (Pig), P01323 (Rat)
Synomym	Insulin [Cleaved into: Insulin B chain; Insulin A chain], INS
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, FACS, ICC/IF, IHC
Reactivity	Bovine, Human, Mouse, Pig, Rat

Applications

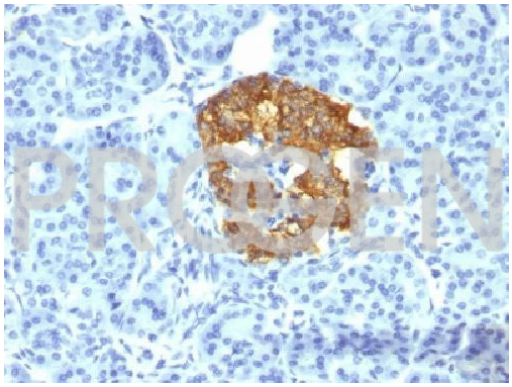
ELISA	Assay dependent
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)

Background

Insulin is a protein consisting of an alpha-chain of 21 amino acids and a beta-chain of 30 amino acids and produced in the beta-cells of the pancreas. 2D11-H5 is a specific insulin antibody as tested by ELISA and on human pancreatic tissue.

Positive control: MIA, PaCa-2 cells, pancreas or insulinoma.

Product images



Human pancreas