

Insulin (AB1553) mouse mAb

W0357

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- IHC; WB; IF; ELISA

MW

- 12 kDa (calculated)
- 9 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB1553
Immunogen	A synthetic peptide corresponding to the amino acid region 25 - 110 of the human Insulin protein.
Specificity	The antibody can specifically recognize human Insulin protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	INS		
Protein Name	Insulin		
Database Link	Organism	Swiss Prot.	Gene ID
	Human	P01308	3630

Background	Insulin is a hormone secreted by islet beta cells, which can promote the uptake and utilization of glucose by tissue cells, promote glycogen synthesis and reduce blood glucose. It is highly expressed in insulinoma and is mainly used for functional classification of islet cell tumor and auxiliary diagnosis of multiple endocrine tumors.
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