



Anti-Insulin Monoclonal Antibody, Purified

E16THU008

<u>Catalog No.</u>	<u>Size</u>
E16THU008-050	50 μ L
E16THU008-100	100 μ L

Description: Insulin is a secreted peptide hormone that elicits metabolic effects such as increases in glucose uptake and glycogen synthesis leading to a decrease in blood glucose concentration. Insulin is first formed as a precursor molecule, preproinsulin, which is later cleaved to proinsulin and finally to the mature Insulin hormone. Mature Insulin consists of 51 amino acids, contained within an A chain and a B chain that are connected by 2 disulfide bridges. It increases cell permeability to monosaccharides, amino acids and fatty acids. Insulin is secreted by the pancreas at basal levels in the absence of exogenous stimuli, with secretion increasing in response to glucose. Insulin action is effected by the binding of Insulin to cell-surface receptors on the target cell membrane. Defects of Insulin are the cause of hyperproinsulinemia and of type-II diabetes mellitus. Insulin (4A2D11-H5) is also recommended for detection of Insulin in additional species, including bovine and porcine.

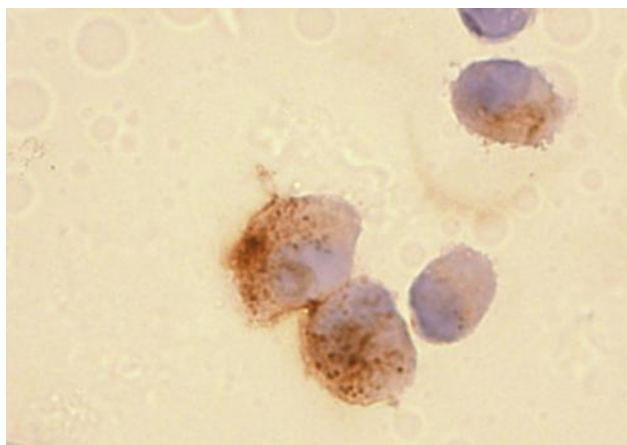
Storage: Store at 4°C, DO NOT FREEZE. Stable for one year. Non-hazardous. No MSDS required.

Clone: 4A2D11-H5

Formulation: 0.01M PBS, 0.09%NaN₃, pH 7.4

Application: IHC; IP; IF

Under different test conditions, the best working concentration may be different, please work according to the results of preliminary experiments to determine the best concentration.



Experiment: (Immunoperoxidase Test):

Immunoperoxidase staining of formalin fixed MIA PaCa-2 cell smear showing cytoplasmic localization. with Insulin (4A2D11-H5) antibody

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