
Product name:	IDE(3H4)Mouse Monoclonal Antibody
Cat number:	MABN12351
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG
Immunogen:	Synthetic Peptide of IDE
Reactivity:	Human,Hamster
Applications:	WB 1:500-1:2000,IHC 1:50-1:300,ICC/IF 1:100-1:200
Molecular Weight:	118kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	PBS, pH 7.4, containing 0.5%BSA, 0.02% New type preservative N as Preservative and 50% Glycerol.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	<p>This gene encodes a zinc metallopeptidase that degrades intracellular insulin, and thereby terminates insulin's activity, as well as participating in intercellular peptide signalling by degrading diverse peptides such as glucagon, amylin, bradykinin, and kallidin. The preferential affinity of this enzyme for insulin results in insulin-mediated inhibition of the degradation of other peptides such as beta-amyloid. Deficiencies in this protein's function are associated with Alzheimer's disease and type 2 diabetes mellitus but mutations in this gene have not been shown to be causative for these diseases. This protein localizes primarily to the cytoplasm but in some cell types localizes to the extracellular space, cell membrane, peroxisome, and mitochondrion. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described.</p> <p>Enzymatic activity:Degradation of insulin, glucagon and other polypeptides. No action on proteins. cofactor:Binds 1 zinc ion per subunit. function:May play a role in the cellular processing of insulin. May be involved in intercellular peptide signaling. PTM:The N-terminus is blocked. similarity:Belongs to the peptidase M16 family. subunit:Homodimer.</p>