



Mouse anti-Human MAN2A1 monoclonal antibody, clone 2H0 (CABT-B10611)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	MAN2A1 (NP_002363, 1045 a.a. ~ 1145 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2H0
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	DIHLVNLRTIQSKVGNGHSNEAALILHRKGFDCRFSSKGTGLFCSTTQGKILVQKLLNKF IVESLTPSSLSLMHSPPGTQNISEINLSPMEISTFRIQLR*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a glycosyl hydrolase that localizes to the Golgi and catalyzes the final hydrolytic step in the asparagine-linked oligosaccharide (N-glycan) maturation pathway.
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Mutations in the mouse homolog of this gene have been shown to cause a systemic autoimmune disease similar to human systemic lupus erythematosus. [provided by RefSeq, Dec 2013]

Keywords	MAN2A1; mannosidase, alpha, class 2A, member 1; MANA2; MANII; GOLIM7; AMan II; alpha-mannosidase 2; Golgi alpha-mannosidase II; mannosidase, alpha type II; golgi integral membrane protein 7; mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase;
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GENE INFORMATION

Entrez Gene ID	4124
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UniProt ID	Q49A69
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Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved biosystem; N-glycan antennae elongation in the medial/trans-Golgi, organism-specific biosystem
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Function	alpha-mannosidase activity; carbohydrate binding; mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase activity; metal ion binding; zinc ion binding
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