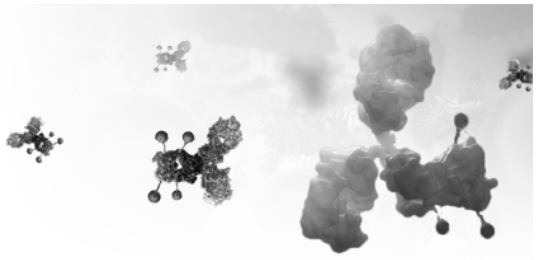

Mouse anti-Human CEL monoclonal antibody, clone 4D9 (CABT-B9942)

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

PRODUCT INFORMATION

Immunogen	CEL (AAH42510, 378 a.a. ~ 478 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4D9
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	GLRGAKTTFDVYTESWAQDPSQENKKKTVVDFETDVLFLVPTEIALAQHRANAKSAKTYA YLFSHPSRMPVYPKWVGADHADDIQYVFGKPFATPTGYRP*
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	The protein encoded by this gene is a glycoprotein secreted from the pancreas into the digestive tract and from the lactating mammary gland into human milk. The physiological role of

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	this protein is in cholesterol and lipid-soluble vitamin ester hydrolysis and absorption. This encoded protein promotes large chylomicron production in the intestine. Also its presence in plasma suggests its interactions with cholesterol and oxidized lipoproteins to modulate the progression of atherosclerosis. In pancreatic tumoral cells, this encoded protein is thought to be sequestrated within the Golgi compartment and is probably not secreted. This gene contains a variable number of tandem repeat (VNTR) polymorphism in the coding region that may influence the function of the encoded protein. [provided by RefSeq, Jul 2008]
Keywords	CEL; carboxyl ester lipase; BAL; FAP; BSDL; BSSL; CELL; FAPP; LIPA; CEase; MODY8; bile salt-activated lipase; bucelipase; sterol esterase; cholesterol esterase; carboxyl ester hydrolase; fetoacinar pancreatic protein; lysophospholipase, pancreatic; bile salt-dependent lipase, oncofetal isoform; carboxyl ester lipase (bile salt-stimulated lipase);

GENE INFORMATION

Entrez Gene ID	1056
UniProt ID	P19835
Pathway	Digestion of dietary lipid, organism-specific biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem
Function	acylglycerol lipase activity; carboxylesterase activity; catalytic activity; heparin binding; hydrolase activity; hydrolase activity; sterol esterase activity; sterol esterase activity; triglyceride lipase activity

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