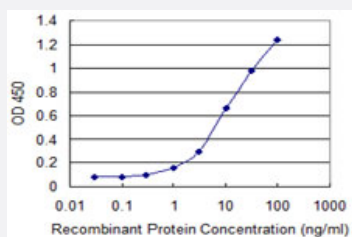


CEL monoclonal antibody (M15), clone 3C8

Catalog # H00001056-M15

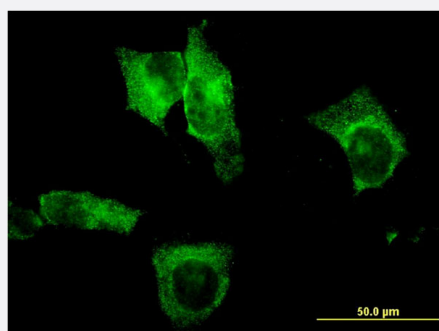
Size 100 ug

Applications



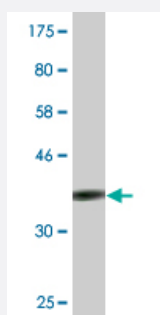
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CEL is 0.3 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CEL on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant CEL.

Immunogen	CEL (AAH42510, 378 a.a. ~ 477 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GLRGAKTTFDVTESWAQDPSQENKKKTVVDFETDVLFLVPTEIALAQHRANAKSAKTYAYLFSH PSRMPVYPKWVGADHADDIQYVFGKPFATPTGYRP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (84)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CEL is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CEL on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CEL

Entrez GeneID [1056](#)

GeneBank Accession# [BC042510](#)

Protein Accession#	AAH42510
Gene Name	CEL
Gene Alias	BAL, BSDL, BSSL, CELL, CEase, FAP, FAPP, LIPA, MODY8
Gene Description	carboxyl ester lipase (bile salt-stimulated lipase)
Omim ID	114840 609812
Gene Ontology	Hyperlink
Gene Summary	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 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 sequestered 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]
Other Designations	OTTHUMP00000022450 bile salt-dependent lipase, oncofetal isoform bile salt-stimulated carboxyl ester lipase bile salt-stimulated lipase bile-salt-activated lipase carboxyl ester hydrolase carboxyl ester lipase cholesterol esterase fetoacinar pancreatic pr

Pathway

- [Glycerolipid metabolism](#)
- [Metabolic pathways](#)
- [Steroid biosynthesis](#)

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
- [Pancreatitis](#)