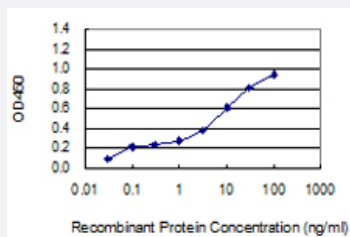


LCT monoclonal antibody (M01), clone 3H6

Catalog # H00003938-M01

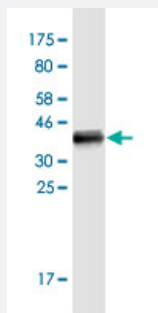
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LCT is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant LCT.
Immunogen	LCT (NP_002290, 32 a.a. ~ 129 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AGPLTNDLLHNLSGLLGDSNFVAGDKDMYVCHQPLPTFLPEYFSSLHASQITHYKVFLSWAQL LPAGSTQNPDEKTVQCYRRLKALKTARLQPMV
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (72); Rat (65)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 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 LCT is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — LCT

Entrez GeneID	3938
GeneBank Accession#	NM_002299
Protein Accession#	NP_002290
Gene Name	LCT
Gene Alias	LAC, LPH, LPH1
Gene Description	lactase
Omim ID	223100 603202
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene belongs to the family 1 of glycosyl hydrolases. The protein is integral to plasma membrane and has both phlorizin hydrolase activity and lactase activity. [provided by RefSeq]

Other Designations

lactase-glycosylceramidase|lactase-phlorizin hydrolase|lactase-phlorizin hydrolase-1

Pathway

- [Galactose metabolism](#)

Disease

- [Abortion](#)
- [Acute Disease](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Bone Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cataract](#)
- [Celiac Disease](#)
- [Colitis](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [Disease Susceptibility](#)
- [Edema](#)
- [Fractures](#)
- [Gastrointestinal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Hip Fractures](#)
- [Inflammatory Bowel Diseases](#)
- [Irritable Bowel Syndrome](#)
- [Lactose Intolerance](#)
- [Metabolic Syndrome X](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Rectal Fistula](#)
- [Spinal Fractures](#)
- [Wrist Injuries](#)