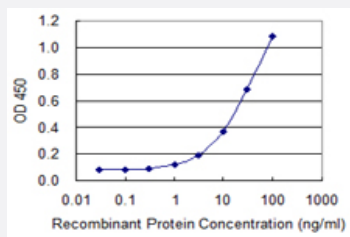


LRAT monoclonal antibody (M05), clone 4E12

Catalog # H00009227-M05

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant LRAT.

Immunogen

LRAT (NP_004735.2, 33 a.a. ~ 132 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

DKGRNSFYETSSFHRGDVLEVPRTHLTHYGYLGDNRAHMMPDILLALTDDMGRTQKVVSNNKRLI
LGVIVKVASIRVDTVEDFAYGANILVNHLDLSLQ

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (80); Rat (78)
Isotype	IgG2a 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 LRAT is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — LRAT

Entrez GeneID	9227
GeneBank Accession#	NM_004744
Protein Accession#	NP_004735.2
Gene Name	LRAT
Gene Alias	MGC33103
Gene Description	lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase)
Omim ID	604863
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a microsomal enzyme that catalyzes the esterification of all-trans-retinol into all-trans-retinyl ester, an essential reaction for the retinoid cycle in visual system and vitamin A status in liver. Mutations in this gene have been associated with early-onset severe retinal dystrophy. [provided by RefSeq]

Other Designations

lecithin retinol acyltransferase

Pathway

- [Retinol metabolism](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Retinal Diseases](#)
- [Retinitis Pigmentosa](#)