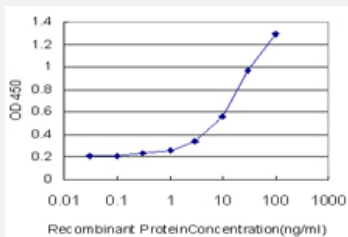


LRAT monoclonal antibody (M01), clone 1A11

Catalog # H00009227-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant LRAT.
Immunogen	LRAT (AAH31053.1, 1 a.a. ~ 230 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKNPMLEVVSLLEKLLISNFTLFSSGAAGEDKGRNSFYETSSFHGRGDVLEVPRTLTHYGM LG DNRVAHMMPDILLALTDDMGRTQKVVS NKRLILGVVKVASIRVDTVEDFAYGANILVNHLD E SLQK KALLNEEVARRAEKLLGFTPYSLLWNNCEHFV TYCRYGTPISPQSDKFCETVKIIIRDQ RSV LASAV LGLASIVCTGLVSYTTLPAIFIPFLWMAG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (80); Rat (78)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — LRAT

Entrez GeneID [9227](#)

GeneBank Accession# [BC031053](#)

Protein Accession# [AAH31053.1](#)

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

Publication Reference

- [FATP1 inhibits 11-cis retinol formation via interaction with the visual cycle retinoid isomerase RPE65 and LRAT.](#)

Guignard TJ, Jin M, Pequignot MO, Li S, Chassigneux Y, Chekroud K, Guillou L, Richard E, Hamel CP, Brabet P.

The Journal of Biological Chemistry 2010 Jun; 285(24):18759.

Application: WB-Ce, WB-Tr, Insect, Pig, RPE, Sf9 cells

Pathway

- [Retinol metabolism](#)

Disease

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