

LRAT Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant LRAT.

Catalog # AT2737a

Product Information

Application	E
Primary Accession	O95237
Other Accession	BC031053
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1A11
Calculated MW	25703

Additional Information

Gene ID	9227
Other Names	Lecithin retinol acyltransferase, Phosphatidylcholine--retinol O-acyltransferase, LRAT
Target/Specificity	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.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	LRAT Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

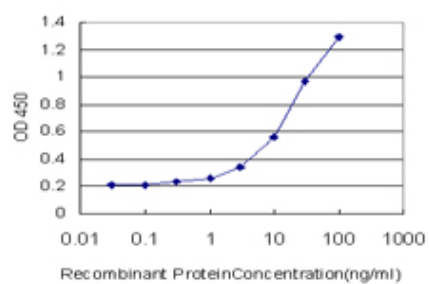
Background

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.

References

1.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.J Biol Chem. 2010 Mar 31. [Epub ahead of print]

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.