

LRAT Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant LRAT.

Catalog # AT2737a

Specification

LRAT Antibody (monoclonal) (M01) - Product Information

Application	E
Primary Accession	O95237
Other Accession	BC031053
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	25703

LRAT Antibody (monoclonal) (M01) - 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.

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.

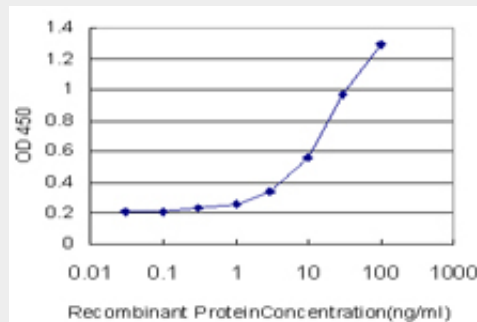
LRAT Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

LRAT Antibody (monoclonal) (M01) - Images



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

LRAT Antibody (monoclonal) (M01) - 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.

LRAT Antibody (monoclonal) (M01) - 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]