

## Product datasheet for **AM06118PU-N**

### Lysosomal acid lipase (LIPA) Mouse Monoclonal Antibody [Clone ID: 9G7F12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	9G7F12
Applications:	ELISA, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of LAL expressed in E. Coli.
Specificity:	This antibody reacts to LAL.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0,03% sodium azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	lipase A, lysosomal acid type
Database Link:	<a href="#">Entrez Gene 3988 Human P38571</a>



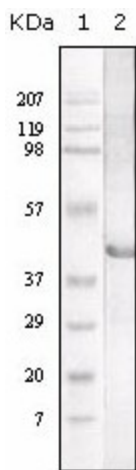
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**Background:**

Lysosomal acid lipase (LAL), with 378-amino acid protein( 43-54 kDa), functions in the lysosome to catalyze the hydrolysis of cholesteryl esters and triglycerides which are taken up by receptor-mediated endocytosis. An inherited deficiency or low activity of human lysosomal acid lipase results in the intralysosomal storage of the respective lipid substrates. So it is also responsible for the rare conditions of Wolman disease and cholesteryl ester storage disease (CESD). As the enzyme is synthesized by all nucleated cells, lipid-laden cells are found in all organs, particularly in liver, spleen, the adrenal and the hemopoietic system, and in the intestine as well as in the lymph nodes, lungs, testes, and ovaries.

**Synonyms:**

LIPA, Lysosomal acid lipase/cholesteryl ester hydrolase, LAL, Acid cholesteryl ester hydrolase, EC=3.1.1.13, Sterol esterase, Lipase A, Cholesteryl esterase

**Product images:**

Western blot analysis using LAL mouse mAb against LAL recombinant protein.