

Product Name: ATG5 Mouse Monoclonal Antibody**Catalog #: AMM81909**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	32.4kDa

Antigen Information

Gene Name	ATG5
Alternative Names	ASP; APG5; APG5L; hAPG5; APG5-LIKE
Gene ID	9474.0
SwissProt ID	Q9H1Y0
Immunogen	Purified recombinant fragment of human ATG5 (AA: 144-275) expressed in E. Coli.

Background

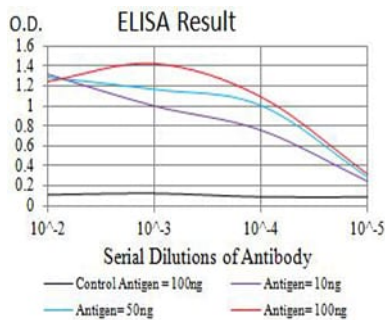
The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response,

lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene.

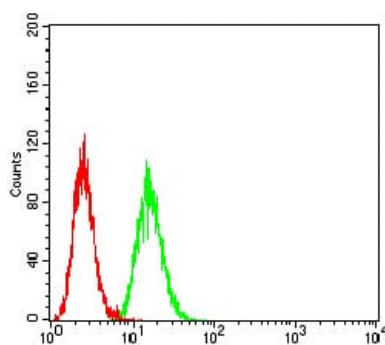
Research Area

Autophagy, Apoptosis

Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Flow cytometric analysis of HeLa cells using ATG5 mouse mAb (green) and negative control (red).