

Mouse Monoclonal Antibody to ATG5

Catalogue Number	sAP-1601
Target Molecule	<p>Name: ATG5</p> <p>Aliases: ASP; APG5; APG5L; hAPG5; APG5-LIKE</p> <p>MW: 32.4kDa</p> <p>Entrez Gene ID: 9474</p>
Description	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.
Immunogen	Purified recombinant fragment of human ATG5 (AA: 144-275) expressed in E. Coli.
Recitative Species	Human;
Clone	MM3C7A8
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 100 - 1 to 500; FCM: 1 to 200 - 1 to 400; IHC: N to A
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.PLoS One. 2014 Oct 17;9(10):e110293.2.Sci Transl Med. 2013 Sep 11;5(202):202ra123.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**