



Magic™ Mouse Anti-Human ATG5 Monoclonal antibody, clone 6I9C5 (DMAB-CPT305)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Human ATG5
Immunogen	ATG5 fusion protein
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	6I9C5
Purification	Protein G Magarose purification
Conjugate	Unconjugated
Applications	CBA(Cap) We recommend the following antibodies for sandwich immunoassay (Capture - Detection): DMAB-CPT305 - DMAB-CPT306 Cytometric Bead Array: 3.125-100 ng/mL
Format	Liquid
Size	100 µg
Buffer	PBS only
Preservative	None
Storage	Store at -80°C. The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

BACKGROUND

Introduction

ATG5, also named as APG5L and ASP, belongs to the ATG5 family. It is required for autophagy. It plays an important role in the apoptotic process, possibly within the modified cytoskeleton. Its expression is a relatively late event in the apoptotic process, occurring downstream of caspase activity. Autophagy is a catabolic process for the autophagosomic-lysosomal degradation of bulk cytoplasmic contents. Formation of the autophagosome involves a ubiquitin-like conjugation system in which ATG12 is covalently bound to ATG5 and targeted to autophagosome vesicles. It mediates autophagosome-independent host protection.

Keywords

ATG5; ATG5 autophagy related 5 homolog (S. cerevisiae); APG5-like; APG5L; APG5 LIKE; APG5

GENE INFORMATION

Entrez Gene ID

[9474](#)

UniProt ID

[Q9H1Y0](#)