



Mouse Anti-Human LMAN2 monoclonal antibody, clone NN15 (CABT-ZB547)

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

PRODUCT INFORMATION

Specificity	It reacts with Human LMAN2
Target	LMAN2
Immunogen	Recombinant Human LMAN2 Protein
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	NN15
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB547 - CABT-ZB910 This antibody will detect LMAN2 in antibody pair set. [ABPR-ZB123]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human LMAN2. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	LMAN2 (Lectin, Mannose Binding 2, also known as VIP36) is a Protein Coding gene. This gene encodes a type I transmembrane lectin that shuttles between the endoplasmic reticulum, the Golgi apparatus, and the plasma membrane. The encoded protein binds high mannose type glycoproteins and may facilitate their sorting, trafficking, and quality control. The L-type lectin LMAN2 appears to be specifically required for the accumulation of GPRC5B in the Golgi complex and restriction of GPRC5B transport along the exosomal pathway. This may occur due to interference with the adaptor protein GGA1-mediated trans-Golgi network-to-endosome transport of GPRC5B. A Golgi-traversing pathway for the exosomal release of the cargo protein GPRC5B in which CD2AP facilitates the entry and LMAN2 impedes the exit of the flux, respectively.
Keywords	LMAN2; lectin, mannose-binding 2; C5orf8, chromosome 5 open reading frame 8; vesicular integral-membrane protein VIP36

GENE INFORMATION

Synonyms	LMAN2; lectin, mannose-binding 2; C5orf8, chromosome 5 open reading frame 8; vesicular integral-membrane protein VIP36; GP36B; VIP36; glycoprotein GP36b; vesicular integral protein of 36 kDa; vesicular integral-membrane protein 36; C5orf8
Entrez Gene ID	10960
UniProt ID	Q12907