



# Mouse Anti-Human LMAN2 monoclonal antibody, clone NN13 (CABT-ZB910)

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

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human LMAN2 It has no cross-reactivity in ELISA with E.coli cell lysate.
<b>Target</b>	LMAN2
<b>Immunogen</b>	Recombinant Human LMAN2/VIP36 protein
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	NN13
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA, ELISA(det), IP We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB547 - CABT-ZB910 This antibody will detect LMAN2 in antibody pair set. [ABPR-ZB123]
<b>Preparation</b>	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 / VIP36. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
<b>Format</b>	Purified, Liquid

<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 200 µL, 1 mL
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	<p>This antibody can be stored at 2°C-8°C for one month without detectable loss of activity.</p> <p>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.</p>
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	LMAN2; lectin, mannose-binding 2; C5orf8, chromosome 5 open reading frame 8; vesicular integral-membrane protein VIP36

## GENE INFORMATION

<b>Synonyms</b>	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
<b>Entrez Gene ID</b>	<a href="#">10960</a>
<b>UniProt ID</b>	<a href="#">Q12907</a>