

## VMP1 Conjugated Antibody

Catalog No: #C40253



Package Size: #C40253-AF350 100ul #C40253-AF405 100ul #C40253-AF488 100ul  
 #C40253-AF555 100ul #C40253-AF594 100ul #C40253-AF647 100ul  
 #C40253-AF680 100ul #C40253-AF750 100ul #C40253-Biotin 100ul

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## Description

Product Name	VMP1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total VMP1 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human vacuole membrane protein 1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	EPG3; TANGO5; TMEM49
Accession No.	Swiss-Prot#:Q96GC9NCBI Gene ID:81671NCBI Protein#:NP_112200
Uniprot	Q96GC9
GeneID	81671;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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VMP1 is a stress-induced protein that, when overexpressed, promotes formation of intracellular vacuoles followed by cell death. May be involved in the cytoplasmic vacuolization of acinar cells during the early stage of acute pancreatitis. VMP1 is a transmembrane protein that co-localizes with LC3, a marker of the autophagosomes. It interacts with beclin-1, a mammalian autophagy initiator, through the VMP1-Atg domain, which is essential for autophagosome formation.?

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Note: This product is for in vitro research use only