

**Cat. No:** MABN85966  
**Conjugate:** Unconjugated  
**Size:** 100µL  
**Clone:** Monoclonal  
**Concentration:** 1mg/ml  
**Host:** Mouse  
**Isotype:** Mouse IgG1

**Immunogen:** This VAMP8 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 2~24 amino acids from the N-terminal region of human VAMP8.

**Reactivity:** Human

**Applications:** WB 1:1000-1:2000, IHC 1:100-1:500

**Molecular Weight:** 11.4kDa

**Purification:** Affinity Purification

**Synonyms:** Vesicle-associated membrane protein 8, VAMP-8, Endobrevin, EDB, VAMP8

**Background:** SNAREs, Soluble N-ethylmaleimide-sensitive factor- attachment protein receptors, are essential proteins for fusion of cellular membranes. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four alpha-helical bundle that drives membrane fusion. VAMP8 is a SNARE involved in autophagy through the direct control of autophagosome membrane fusion with the lysosome membrane. Also required for dense-granule secretion in platelets. Plays also a role in regulated enzyme secretion in pancreatic acinar cells. Involved in the abscission of the midbody during cell division, which leads to completely separate daughter cells. Involved in the homotypic fusion of early and late endosomes.

**Form:** Liquid

**Buffer:** Purified antibody in PBS with 0.05% sodium azide.

**Storage:** Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

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