

## VPS 18

Cat.No. 321-0P; control peptide, 100 µg peptide (lyophilized)

### Data Sheet

Reconstitution/ Storage	100 µg peptide, lyophilized. For reconstitution add 100 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. Control peptides should also be stored at -20°C when still lyophilized!
Immunogen	Synthetic peptide corresponding to AA 956 to 973 from mouse VPS18 (UniProt Id: Q8R307)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	321 003
Remarks	This control peptide consists of the synthetic peptide (aa 956 - 973 of mouse VPS 18) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of peptide needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen.

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

In yeast the class C vacuole protein sorting (VPS) proteins VPS 11, 16, 18 and 33 interact with SNARE and rab proteins to "tether" vacuolar membranes before fusion.

### Selected General References

Mammalian late vacuole protein sorting orthologues participate in early endosomal fusion and interact with the cytoskeleton.  
Richardson SC, Winistorfer SC, Poupon V, Luzio JP, Piper RC  
Molecular biology of the cell (2004) 15(3): 1197-210.

Molecular characterization of mammalian homologues of class C Vps proteins that interact with syntaxin-7.  
Kim BY, Krämer H, Yamamoto A, Kominami E, Kohsaka S, Akazawa C  
The Journal of biological chemistry (2001) 276(31): 29393-402.