**TECHNICAL DATA SHEET**

**Alkaline phosphatase monoclonal antibody for yeast**  
Catalog # MSZ07

**LOT #:** C1812  
**COMPONENTS:** 2.5 mL of monoclonal antibody-containing conditioned culture medium  
**APPLICATIONS:** Western blotting and Immunocytochemistry (heat-induced antigen-retrieval improves signal)  
**CLONE ID OF MONOCLONAL ANTIBODY (mAb):** 1D3A10  
**SPECIES CROSS-REACTIVITY:** *S. cerevisiae*  
**HOST SPECIES AND ISOTYPE:** Mouse IgG1, k  
**IMMUNOGEN:** ALP (Vacuolar Alkaline Phosphatase)  
**CONCENTRATION:** The antibody is unpurified, and is provided in "conditioned" cell culture media (CM) containing 10% fetal bovine serum and 0.02% sodium azide (the purified mAb is unstable).  
**SUGGESTED WORKING CONCENTRATION:** CM should be diluted between 1:50 and 1:100 for Western blotting and between 1:2 and 1:3 for Immunocytochemistry.  
**mAb PURITY:** This antibody is provided as unpurified cell culture media, containing 10% fetal bovine serum, and 0.02% sodium azide.  
**STORAGE CONDITIONS:** Store at 4°C. Do not freeze.  
**COUNTRY OF ORIGIN:** USA  

**BACKGROUND:**  
ALP, or Vacuolar Alkaline Phosphatase, is the product of the PH08 gene and an abundant integral membrane protein of the yeast vacuolar structure. MSZ07 binds all native, denatured, or fixed conformations of ALP tested to date. MSZ07 can be used for immunolocalization of yeast vacuolar membranes by indirect immunofluorescence of fixed yeast cell, for monitoring vacuolar membranes during subcellular fractionation of yeast organelles, and western blotting.