TECHNICAL DATA SHEET

CPY (carboxypeptidase Y) monoclonal antibody

LOT #: 
COMPONENTS: 250 µg monoclonal antibody
APPLICATIONS: Western blotting and Immunocytochemistry (heat-induced antigen-retrieval improves signal)
CLONE ID OF MONOCLONAL ANTIBODY (mAb): 10A5B5
SPECIES CROSS-REACTIVITY: S. cerevisiae
HOST SPECIES AND ISOTYPE: Mouse IgG1, κ
IMMUNOGEN: Purified yeast CPY (carboxypeptidase)
CONCENTRATION: 1 mg/mL in Heps-Buffered Saline (HBS) with 0.02% azide as a preservative.
SUGGESTED WORKING CONCENTRATION: 0.5 µg/mL for Western blotting. 20 µg/mL for Immunocytochemistry.
mAb PURITY: Near homogeneity as judged by SDS-PAGE. The antibody was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
STORAGE CONDITIONS: Store at 4°C. Do not freeze.
COUNTRY OF ORIGIN: USA

BACKGROUND:
Antibody binding specificity was determined by Particle Concentration Fluorescence Immunoassay (PCFIA) using the yeast caboxypeptidase, by Western blot immunoassay using protein extracts from yeast, and by indirect immunofluorescence of fixed yeast cells.

The antibody can be used to detect the yeast carboxypeptidase on Western blots or to immunolocalize the carboxypeptidase in fixed yeast cells.

The antibody is ideal for screening for carboxypeptidase secretion (Vps- phenotype) in yeast using the colony immunoblot overlay assay. The antibody has been extensively used in screens for new vps mutations, as well as in complementation analysis with the vps mutant collection.

Note: This product is for research purposes only. It is not to be used in humans or for diagnostic purposes.

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