

**TECHNICAL DATA SHEET****Catalog # MS305****Complex III subunit Rieske monoclonal antibody**

Rev.0

**LOT #:****COMPONENTS:** 100 µg monoclonal antibody**APPLICATIONS:** Western blotting**CLONE ID OF MONOCLONAL ANTIBODY (mAb):** 5A5AC8**SPECIES CROSS-REACTIVITY:** human, bovine, rat, mouse**HOST SPECIES AND ISOTYPE:** Mouse IgG2b, k**IMMUNOGEN:** Bovine Complex III**CONCENTRATION:** 1 mg/mL in HEPES-Buffered Saline (HBS) with 0.02% azide as a preservative.**SUGGESTED WORKING CONCENTRATION:** 1 µg/mL for Western blotting**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:**

Complex III, or ubiquinol cytochrome *c* oxidoreductase, is a complex of 11 subunits and catalyses electron transfer from reduced ubiquinone or coenzyme Q 10 to cytochrome *c*. The complex contains 11 different subunits, one of which, cytochrome *b*, is encoded on mitochondrial DNA, while the remainder subunits are nuclear-encoded. Genetic complex III deficiencies occur but are rare.

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

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