

**PRODUCT TECHNICAL SPECIFICATIONS****Catalog # MS304****Complex III subunit Core 2 monoclonal antibody**

11-07

LOT #:

<b>COMPONENTS:</b>	100 µg monoclonal antibody
<b>APPLICATIONS:</b>	Western blotting and Immunocytochemistry (heat-induced antigen-retrieval improves signal)
<b>CLONE ID OF MONOCLONAL ANTIBODY (mAb):</b>	13G12AF12BB11
<b>SPECIES CROSS-REACTIVITY:</b>	human, bovine, rat, mouse
<b>HOST SPECIES AND ISOTYPE:</b>	Mouse IgG1, k
<b>IMMUNOGEN:</b>	Bovine Heart Complex III
<b>CONCENTRATION:</b>	1 mg/mL in HEPES-Buffered Saline (HBS) with 0.02% azide as a preservative.
<b>SUGGESTED WORKING CONCENTRATION:</b>	1 µg/mL for Western blotting, 0.1-0.5 µg/mL for Immunocytochemistry
<b>mAb PURITY:</b>	Near homogeneity as judged by SDS-PAGE. The antibody was produced <i>in vitro</i> using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
<b>STORAGE CONDITIONS:</b>	Store at 4°C. Do not freeze.
<b>COUNTRY OF ORIGIN:</b>	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.**

WARRANTY – MitoSciences Inc warrants that products will perform as indicated in the published Product Information Sheet and Product Technical Specifications for 6 months from date of purchase when stored according to specifications and when used consistent with recommended protocols. If you experience results which materially differ from those described, send evidence of the non-performing product for replacement of the original product purchased or a credit toward any other of the company's products or services.