

TECHNICAL DATA SHEET**Catalog # MS202****MitoProfile® Complex II WB Antibody Cocktail**

Rev.1

LOT #:

COMPONENTS: 305 µg monoclonal antibody

Antigen	Clone ID	Amount (µg)	Working conc. (µg/mL)	Immunogen
C-V-α	15H4C4	50	1	Bovine Heart Complex V
C-II-30 (FeS)	21A11AE7	250	5	Bovine Heart Complex II
C-II-70 (FL)	2E3GC12FB2AE2	5	0.1	Bovine Heart Complex II

APPLICATIONS: Western blotting

SPECIES CROSS-REACTIVITY: human, bovine, rat, mouse

HOST SPECIES AND ISOTYPE: Mouse

CONCENTRATION: 1.5 mg/mL in HEPES-Buffered Saline (HBS) with 0.02% azide as a preservative.

SUGGESTED WORKING CONCENTRATION: The antibody cocktail (1.5 mg/mL) should be diluted 250x to a final working concentration of 6 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 II is also called succinate ubiquinone oxidoreductase or more commonly succinate dehydrogenase complex. This complex is composed of four nuclear encoded subunits and contains a flavin (FAD), non-heme iron centers and a b-type cytochrome as prosthetic groups. It is both a component of the electron transport chain and an enzyme of the Krebs cycle. Complex II deficiencies are seen in OXPHOS genetic disease and found in a type of cancer called paraganglioma.

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 Technical Data Sheet 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.