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TECHNICAL DATA SHEET

Complex II Immunocapture Kit

Catalog # MS201

Rev.1

LOT #:	
COMPONENTS:	250 µg monoclonal antibody irreversibly cross-linked to protein G-agarose beads
APPLICATIONS:	Immunoprecipitation
CLONE ID OF MONOCLONAL ANTIBODY (mAb):	4H12BG12AG2
SPECIES CROSS-REACTIVITY:	human, bovine, rat, mouse
HOST SPECIES AND ISOTYPE:	Mouse IgG1, κ
IMMUNOGEN:	Bovine Heart Complex II, with traces of Complex III
CONCENTRATION:	250 µg of capture antibody cross-linked to 25 µL matrix in 400 µL Hepes-Buffered Saline (HBS) with 0.02% azide as a preservative.
SUGGESTED WORKING CONCENTRATION:	10 µL matrix capture approximately 5 µg complex II from 1 mg solubilized bovine heart mitochondria.
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.