

TECHNICAL DATA SHEET**Complex II Immunocapture monoclonal antibody****Catalog # MS201c**

Rev.3

LOT #:

COMPONENTS:	100 µg monoclonal antibody
APPLICATIONS:	Immunoprecipitation
CLONE ID OF MONOCLONAL ANTIBODY (mAb):	4H12BG12AG2
SPECIES CROSS-REACTIVITY:	human, mouse, bovine
HOST SPECIES AND ISOTYPE:	Mouse IgG1, κ
IMMUNOGEN:	Bovine Heart Complex II, with traces of Complex III
CONCENTRATION:	1 mg/mL in HEPES-Buffered Saline (HBS) with 0.02% azide as a preservative.
SUGGESTED WORKING CONCENTRATION:	100 µg/mL can capture at least 5 µg complex II from 1 mg solubilized bovine heart mitochondria.
mAb PURITY:	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.
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.

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