

TECHNICAL DATA SHEET
Catalog # MS602a
MitoProfile® Total OXPHOS + PDH + Controls ICC Antibody Kit

Rev.2

LOT #: C1242

COMPONENTS: Primary antibodies specific for OXPHOS and PDH subunits:

Kit component	Antigen	Clone ID	Isotype	Conc. (mg/mL)	Amount (µg)
MS602-I	C-I NDUFB4	17G3D9E12	IgG ₁ , κ	1	50
MS602-II	C-II-30 (FeS)	21A11AE7	IgG _{2a} , κ	1	50
MS602-III	C-III-Core 2	13G12AF12BB 11	IgG ₁ , κ	0.2	10
MS602-IV	C-IV-I	1D6E1A8	IgG _{2a} , κ	1	50
MS602-V	C-V-OSCP	4C11C10D12	IgG ₁ , κ	0.2	10
MS602-P	PDH-E1α	9H9AF5	IgG ₁ , κ	1	50

Primary antibodies specific for reference proteins:

A single primary antibody (anti-Porin OR anti-Complex Vα) should be used simultaneously with one of the primary mAbs in Table 1 for double labeling experiments. Heat-induced antigen-retrieval improves the signal when using the monoclonal antibody against Porin.

MS602-Porin	Porin	89-173/033	IgG _{2b} , κ	1	60
MS602-CVα	C-Vα	15H4C4	IgG _{2b} , κ	1	120

Fluorophore-conjugated goat anti-mouse secondary antibodies:

MS602-IgG ₁	1	80
MS602-IgG _{2a}	1	40
MS602-IgG _{2b}	1	120

APPLICATIONS: Immunocytochemistry (heat-induced antigen-retrieval improves signal in MS602-II, MS602-III and MS602-V). For double-label experiments, MS602-CVα (IgG_{2b}) or MS602-Porin (IgG_{2b}) can be used simultaneously with one of the above mAbs.

HOST SPECIES: Mouse

mAb PURITY: Near homogeneity as judged by SDS-PAGE. The antibodies were 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

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.