

### **MSP02 PDH SUBUNIT WESTERN BLOTTING KIT**

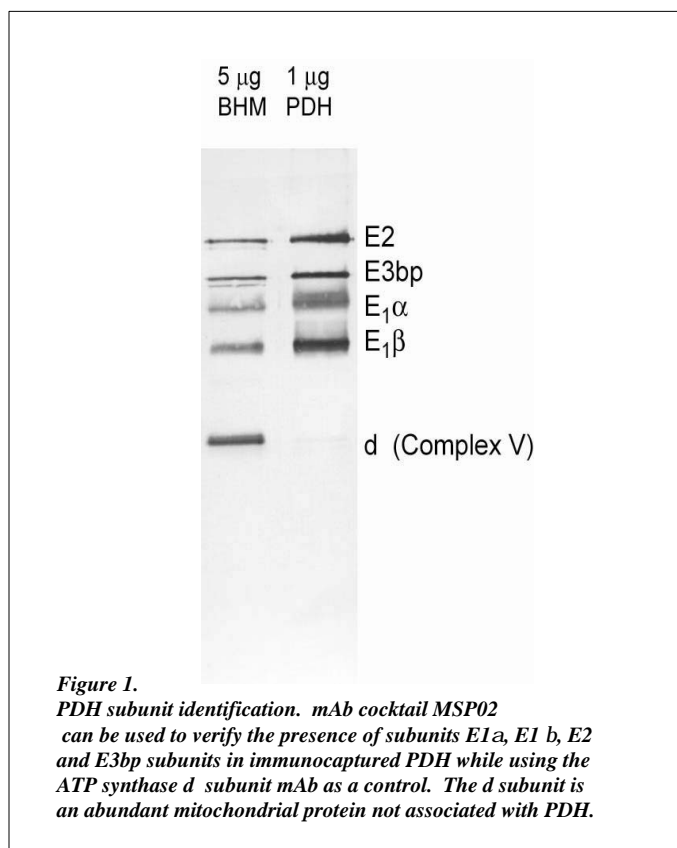
Confirms PDH enzyme purity

#### **RESEARCH USES**

The PDH Western blotting kit contains three different mAbs reacting specifically with E1 $\alpha$ , E1 $\beta$ , E2 and E2/E3bp. A mAb against the d subunit of Complex V is included as a control. This mAb mixture can be used to probe the isolated pyruvate dehydrogenase for integrity and purity as shown in Figure 1. Also included in this kit are SDS-dissociated human heart mitochondria to use as a control for the identification of PDH subunits on the gel system chosen for analysis.

#### **MATERIALS AND STORAGE**

Kit MSP02 is available as 100  $\mu$ l (MSP02-100) or 250  $\mu$ l (MSP02-250) volumes of 5 mAbs reactive to E1 $\alpha$ , E1 $\beta$ , E2 and E2/E3bp and Complex V d in PBS buffer (1.4 mM KH<sub>2</sub>PO<sub>4</sub>, 8 mM Na<sub>2</sub>HPO<sub>4</sub>, 140 mM NaCl, 2.7 mM KCl, pH 7.3, supplemented with 0.02 % sodium azide). The mAb cocktail is shipped on ice; upon receipt store at 4°C. Also supplied are human heart mitochondria solubilized in SDS-PAGE loading buffer (2 % SDS, 60 mM Tris.HCl, pH 6.8, 5 % glycerol, 0.02 mg/ml bromophenol blue). This control mitochondrial sample should be stored at 4°C or for longer periods of time at -20°C.



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