

Complex IV subunit IV monoclonal antibody

CATALOG #:	A21347
COMPONENTS:	100 µg monoclonal antibody
APPLICATIONS:	Western blotting and Immunocytochemistry
CLONE ID OF MONOCLONAL ANTIBODY (mAb):	10G8D12C12
SPECIES CROSS-REACTIVITY:	human, bovine
HOST SPECIES AND ISOTYPE:	Mouse IgG2a, k
IMMUNOGEN:	Bovine Complex IV subunit IV
CONCENTRATION:	1 mg/mL in Hepses-Buffered Saline (HBS) with 0.02% azide as a preservative
SUGGESTED WORKING CONCENTRATION:	1 µg/mL for Western blotting, 5 µg/mL for Immunocytochemistry
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.

BACKGROUND:

Complex IV, also called cytochrome *c* oxidoreductase or cytochrome *c* oxidase, is a complex of 13 different subunits, three of which (I, II and III) are encoded on mitochondrial DNA and the remainder in the nuclear DNA. The complex contains two heme groups (*a* and *a*3) and two copper atoms as prosthetic groups.

For research use only. Not intended for human or animal therapeutic or diagnostic use.

Important Licensing Information - These products may be covered by one or more Limited Use Label Licenses (see the Invitrogen Catalog or our website, www.invitrogen.com). By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

www.invitrogen.com

Life Technologies Corporation • 5791 Van Allen Way • Carlsbad • CA 92008 • Tel: 800.955.6288 • E-mail: techsupport@invitrogen.com

MP21347

MAN0003183

Rev. date: 28 June 2010