



Anti-Complex IV Subunit III Monoclonal Antibody

CATALOG #:	459300
COMPONENTS:	100µg monoclonal antibody
APPLICATIONS:	Western blotting
CLONE ID OF MONOCLONAL ANTIBODY (mAb):	DA5BC4
SPECIES CROSS-REACTIVITY:	human, bovine (weak), mouse, rat and <i>S. cerevisiae</i>
HOST SPECIES AND ISOTYPE:	Mouse IgG2a, k
IMMUNOGEN:	Yeast Complex IV (native holoenzyme protein)
CONCENTRATION:	1 mg/mL in HEPES-Buffered Saline (HBS) with 0.02% Sodium Azide as a preservative.
SUGGESTED WORKING CONCENTRATION:	2-4 µg/mL for Western blotting
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 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.

Explanation of symbols			
Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

For Research Use Only. CAUTION: Not for human or animal therapeutic or diagnostic use.



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