

# Anti-OxPhos Complex IV Subunit I Monoclonal Antibody

CATALOG #:	459600	
COMPONENTS:	100 μg monoclonal antibody	
APPLICATIONS:	Western blotting and Immunocytochemistry	
CLONE ID OF MONOCLONAL ANTIBODY (mAb):	1D6E1A8	
SPECIES CROSS-REACTIVITY:	Human, bovine, mouse, rat, zebrafish, C. elegans, and oyster	
HOST SPECIES AND ISOTYPE:	Mouse IgG2a, k	
IMMUNOGEN:	Human Complex IV subunit I	
CONCENTRATION:	1 mg/mL in Hepes-Buffered Saline (HBS) with 0.02% Sodium Azide as a preservative.	
SUGGESTED WORKING CONCENTRATION:	1 $\mu$ g/mL for Western blotting, 5 $\mu$ g/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.	
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.

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### **Related Products**

Product	Conjugate	Cat. No.
Protein A	Sepharose 4B	10-1041
rec-Protein G	Sepharose 4B	10-1241
ZyMAX™ Goat anti-rabbit IgG	Unconjugated	81-6100
ZyMAX™ Goat anti-mouse IgG	Unconjugated	81-6500

## Secondary Antibody Conjugates

Conjugate	Goat anti-rabbit lgG (H+L)	Goat anti-mouse lgG (H+L)	Ex/Em*	Fluorescence similar to
Alexa Fluor® 488	A11008	A11001	495/519	FITC
Alexa Fluor® 555	A21428	A21422	555/565	Cy3
Alexa Fluor® 594	A11012	A11005	590/617	Texas Red
Alexa Fluor® 647	A21244	A21235	650/668	Cy5
HRP	81-6120	81-6520	NA**	NA
AP	81-6122	81-6522	NA	NA
Biotin	B2770	B2763	NA	NA

\*Excitation/emission (nm); \*\*Not applicable

For additional secondary antibody conjugates, visit www.invitrogen.com/antibodies

Explanation of symbols					
Symbol	Description	Symbol	Description		
REF	Catalogue Number	LOT	Batch code		
RUO	Research Use Only	IVD	In vitro diagnostic medical device		
X	Use by	ł	Temperature limitation		
***	Manufacturer	EC REP	European Community authorised representative		
[-]	Without, does not contain	[+]	With, contains		
even Light	Protect from light	Â	Consult accompanying documents		
$\begin{bmatrix} i \end{bmatrix}$	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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