

## Mitochondria Membrane Integrity Kit

**CATALOG #:** 457799

**COMPONENTS:** 255 µg monoclonal antibody

Antigen	Clone ID	Amount (µg)	Final conc. (µg/mL)	Immunogen
Porin	2B12AF12	50	2	Human VDAC1
Cyclophilin D	E11AE12BD4	50	2	Rat CypD/PPIF
C-III-Core 1	16D10AD9AH5	50	2	Bovine Heart Complex II, III
Cytochrome c	37BA11	5	0.1	Human Cytochrome c
C-V-α	7H10BD4F9	100	4	Bovine Complex V

**APPLICATIONS:** Western blotting detection of a protein from each mitochondrial compartment. Can be used to assess mitochondrial membrane integrity during and after purification.

**SPECIES CROSS-REACTIVITY:** human, bovine, mouse, rat

**HOST SPECIES:** Mouse

**CONCENTRATION:** 2.37 mg/mL in Hepes-Buffered Saline (HBS) with 0.02% azide as a preservative.

**SUGGESTED WORKING CONCENTRATION:** The antibody cocktail (2.37 mg/mL) should be diluted to a final working concentration of 10.2 µg/mL for Western blotting.

**mAb PURITY:** Near homogeneity as judged by SDS-PAGE. The antibody was 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

**ADDITIONAL INFO:** Human heart mitochondria (Invitrogen catalog # 438505) may be used as a control sample for Western blotting.

## Related Products

<i>Product</i>	<i>Conjugate</i>	<i>Cat. No.</i>
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

<i>Conjugate</i>	<i>Goat anti-rabbit IgG (H+L)</i>	<i>Goat anti-mouse IgG (H+L)</i>	<i>Ex/Em*</i>	<i>Fluorescence similar to--</i>
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](http://www.invitrogen.com/antibodies)

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