








Anti-Cyclophilin D Monoclonal Antibody

CATALOG #:	455900
COMPONENTS:	100 µg monoclonal antibody
APPLICATIONS:	Western blotting and Immunocytochemistry
CLONE ID OF MONOCLONAL ANTIBODY (mAb):	E11AE12BD4
SPECIES CROSS-REACTIVITY:	human, rat, mouse and bovine
HOST SPECIES AND ISOTYPE:	Mouse IgG1, k
IMMUNOGEN:	Recombinant rat Cyclophilin D
CONCENTRATION:	1 mg/mL in Hepes-Buffered Saline (HBS) with 0.02% sodium azide as a preservative.
SUGGESTED WORKING CONCENTRATION:	1 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:

Mitochondrial Cyclophilin D, also known as Cyclophilin F or PPIF, is part of the Permeability Transition Pore (PTP) and it is the binding site for cyclosporine A. This antibody targets the processed form of Mitochondrial Cyclophilin D (17-18KDa) which does not contain the mitochondrial targeting sequence, a 29 amino-acid leader sequence necessary for import of the protein into this organelle.

Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

Related Products

Product	Conjugate	Cat. No.
Protein A	Sepharose 4B	10-1041
rec-Protein G	Sepharose 4B	10-1241

Secondary Antibody Conjugates

Conjugate	Goat anti-rabbit IgG (H+L)	Goat anti-mouse IgG (H+L)	Ex/Em*	Fluorescence similar to--
Alexa Fluor [®] 488	A11008	A11001	495/519	FITC
Alexa Fluor [®] 555	A21428	A21422	555/565	Cy [®] 3
Alexa Fluor [®] 594	A11012	A11005	590/617	Texas Red [®]
Alexa Fluor [®] 647	A21244	A21235	650/668	Cy [®] 5
Biotin	B2770	B2763	NA	NA

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

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



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Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288 www.lifetechnologies.com

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