

**Catalog No. LF-MA0033**

**MONOCLONAL ANTIBODY**



## Anti-Ferredoxin Reductase (6C2)

**Background :** Ferredoxin reductase is a ubiquitous flavoenzyme, containing noncovalently bound FAD as a prosthetic group (1). It plays a role in delivering NADPH or low potential one-electron donors such as ferredoxin and flavodoxin to redox-based metabolisms in plastids, mitochondria and bacteria (2). In mammals, ferredoxin reductase is loosely associated with the inner mitochondrial membrane and receives electrons from NADPH. These electrons are transferred to ferredoxin which shuttles electrons to cytochrome P450 in the adrenal cortex mitochondrial steroid hydroxylation systems (3).

**Immunogen :** Recombinant human fragment protein purified from *E.coli*

**Host :** Mouse

**Clone number :** 6C2

**Isotype :** IgG1, k

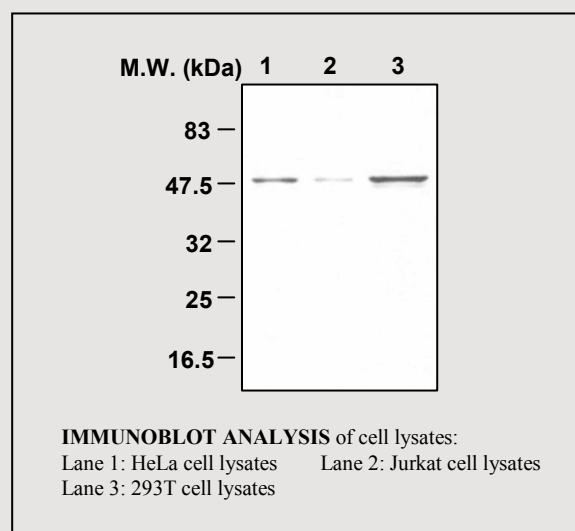
**Size :** 100ul

**Composition :** PBS containing 50% glycerol

**Storage :** Store for 1 year at -20°C from date of shipment

### Species cross reactivity

Human +	Mouse -	Rat -
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### Applications :

ELISA  
Western Blotting (1:1000)  
Immunohistochemistry

### Background Reference :

- 1) Carrillo, N., and Ceccarelli, E. D. (2003) Eur. J. Biochem. 270, 1900-1915.
- 2) Lambeth, J. D. and Kamin, H. (1977) J.Biol. Chem. 252, 2908-2917.
- 3) Lin, D. et al. (1990) Proc. Natl. Acad. Sci. USA. 87, 8516-8520.