

NQO1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3158
Host	Mouse
Isotype	Mouse IgG1
Size	100 μ L, 50 μ L
Immunogen	Purified recombinant fragment of human NQO1 expressed in E. Coli.
Mol wt	31kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,FCM
Concentration	N/A
Full name	N/A
Synonyms	DTD;QR1;DHQU;DIA4;NMOR1;NMORI

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This protein's enzymatic activity prevents the one electron reduction of quinones that results in the production of radical species. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this protein has been seen in many tumors and is also associated with Alzheimer's disease (AD). Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Recommended Dilution

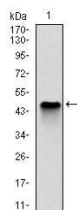
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

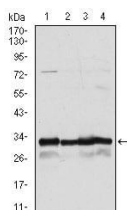
ELISA: 1:10000

Not yet tested in other applications.

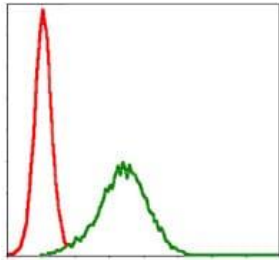
Images



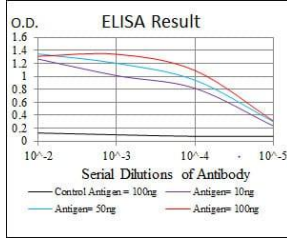
Western blot analysis using NQO1 mAb against human NQO1 (AA: 134-274) recombinant protein.
(Expected MW is 41.3 kDa)



Western blot analysis using NQO1 mouse mAb against A549 (1), HeLa (2), MCF-7 (3) and HepG2 (4) cell lysate.



Flow cytometric analysis of HepG2 cells using NQO1 mouse mAb (green) and negative control (red).



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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