

CYP2E1 Mouse Monoclonal Antibody

Catalog #: EAB22145

| Host/Isotype | Clonality | Applications | MW (kDa) | Reactivity |
|--------------|------------|--------------------------|----------|------------------------|
| Mouse IgG1 | Monoclonal | WB, IHC-P, IF/ICC, ELISA | 57 | Human, Mouse, Rat, Pig |

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| WB (Western Blotting) | 1:1000-5000 |
| IHC-P (Immunohistochemistry-Paraffin) | 1:100-500 |
| IF/ICC (Immunofluorescence/Immunocytochemistry) | 1:100-500 |
| ELISA (Enzyme-linked Immunosorbent Assay) | 1:5000-20000 |

Product Information

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|-----------------------|--|
| Conjugate | Unconjugate |
| Specificity | CYP2E1 Mouse Monoclonal Antibody detects endogenous levels of CYP2E1 protein. |
| Purification | Affinity purification |
| Concentration | 1mg/ml |
| Format | Liquid |
| Formulation | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol |
| Shipping | Gel Pack |
| Storage | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| UniProt ID | P05181 |
| Entrez-Gene ID | 1571 |

Product Description

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and is induced by ethanol, the diabetic state, and starvation. The enzyme metabolizes both endogenous substrates, such as ethanol, acetone, and acetal, as well as exogenous substrates including benzene, carbon tetrachloride, ethylene glycol, and nitrosamines which are premutagens found in cigarette smoke. Due to its many substrates, this enzyme may be involved in such varied processes as gluconeogenesis, hepatic cirrhosis, diabetes, and cancer.

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