

Anti-Cytochrome p450 2C19/CYP2C19 Antibody Picoband® (monoclonal, 10G5) FITC Conjugated

Catalog Number: M02102-FITC

About CYP2C19

Cytochrome P450 2C19 (abbreviated CYP2C19) 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 known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, omeprazole, diazepam and some barbiturates. Polymorphism within this gene is associated with variable ability to metabolize mephenytoin, known as the poor metabolizer and extensive metabolizer phenotypes. The gene is located within a cluster of cytochrome P450 genes on chromosome 10q24.

Overview

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| Product Name | Anti-Cytochrome p450 2C19/CYP2C19 Antibody Picoband® (monoclonal, 10G5) FITC Conjugated |
| Reactive Species | Human, Monkey, Mouse, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IHC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Monoclonal 10G5 |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N. |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Mouse |
| Uniprot ID | P33261 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of human Cytochrome p450 2C19/CYP2C19. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Mouse IgG1 |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | FITC |

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| | Excitation Wavelength: 495 nm Emission Wavelength: 525 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

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