BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

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

Catalog Number: M02102-FITC

About CYP2C19

Cytochrome P450 2C19 (abbreviatedCYP2C19) 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

Product Name	Anti-Cytochrome p450 2C19/CYP2C19 Antibody Picoband® (monoclonal, 10G5) FITC Conjugated
Reactive Species	Human, Monkey, Mouse, Rat
Application	Flow Cytometry
Clonality	Monoclonal 10G5
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
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

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 Excitation Wavelength: 495 nm

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

	Emission Wavelength: 525 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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

For Research Use Only. Not for use in diagnostic procedures.