

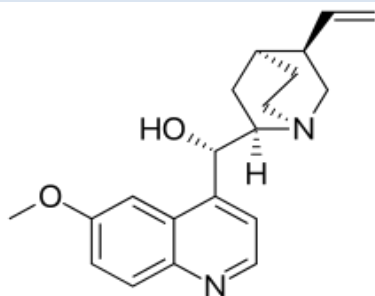
Quinidine Monoclonal Antibodies

ORDERING INFORMATION

Catalog No.	Clone No.	MAb Subtype	Size	Library Pack No.	100ug/clone
16501	QD11-228.6.5	IgG2b	100ug, 500ug	165101	All 5 clones
16502	QD11-261.3.6	IgG1	100ug, 500ug		
16503	QD11-265.2.3	IgG1	100ug, 500ug		
16504	QD13-406.6.1	IgG1	100ug, 500ug		
16505	QD14-504.5	IgG1	100ug, 500ug		

Format: Protein G-purified antibody in PBS, pH 7.4.

BACKGROUND



Quinidine is a class I antiarrhythmic agent. Like all other class I antiarrhythmic agents, quinidine primarily works by blocking the fast inward sodium current (I_{Na}) which causes the phase 0 depolarization of the cardiac action potential to decrease (decreased V_{max}). Quinidine also blocks the slowly inactivating, tetrodotoxin-sensitive Na current, the slow inward calcium current (I_{Ca}), the rapid (I_{Kr}) and slow (I_{Ks}) components of the delayed potassium rectifier current, the inward potassium rectifier current (I_{K1}), the ATP-sensitive potassium channel (I_{KATP}) and I_{to} . At micromolar concentrations, quinidine inhibits Na^+/K^+ -ATPase by binding to the same receptor sites as the digitalis glycosides such as ouabain.

SPECIFICATION SUMMARY

Antigen: Quinidine conjugated to KLH.

Host Species: Mouse

Specificity: These antibodies recognize quinidine.

APPLICATIONS

These antibodies have been qualified for use in ELISA to detect quinidine.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

These antibodies are stable for at least one (1) year at -20°C to -70°C . Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.