

Anti-Digoxin Antibody (26G10)

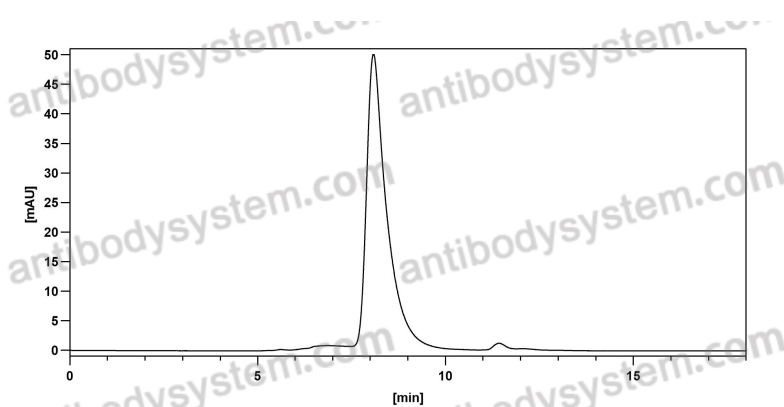
Summary

Catalog No.	RGK23001
Clone ID	26G10
Host species	Mouse
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4.
Concentration	2.3 mg/ml
Purity	>95% as determined by SDS-PAGE.
Clonality	Monoclonal
Isotype	IgG2a, kappa
Applications	CLIA, DB, ELISA, IP, RIA, WB
Target	Digoxin, DGX, CAS: 20830-75-5,digoxinum,12 β -hydroxydigitoxin,ChEBI: 4551, 26-10#, 26G10
Purification	Protein A/G purified from cell culture supernatant.
Endotoxin level	Please contact with the lab for this information.
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4°C short term (1-2 weeks). Store at -20°C 12 months. Store at -80°C long term.
Note	For research use only.

Description

The antibody is specific for digoxin, a cardiac glycoside derived from the foxglove plant. Digoxin is administered for the therapeutic treatment of heart conditions such as atrial fibrillation, atrial flutter and heart failure, and acts by inhibiting the Na^+/K^+ ATPase. However, the drug has a very narrow therapeutic index and can cause toxic side effects. The Fab fragment prepared from 26-10 that neutralises the activity of digoxin and can be used as an antidote in case of overdose of digitalis. Anti-digoxin monoclonal antibodies can also be used to measure serum levels of the drug as a guide to therapy, and are useful in the investigation of the kinetics of interaction between antibody and antigen.

Data Image



SEC-HPLC

The purity of this product is >95% as determined by SEC-HPLC.