ANTIBODYSHOP®

PRODUCT SPECIFICATION

Anti Amodiaquine
mouse monoclonal antibody

Subclass: IgG_{2a}/k

PRODUCT NO. **HYB 320-04**

PRESENTATION

Preparation:	Protein-A/G purified
Content:	Available in 200 µL and 1 mL, 1 mg/mL
Solvent:	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15mM sodium azide
Storage:	In the dark at 4-8ºC

ANTIGEN

Amodiaquine is an antimalarial drug with effects very similar to those of chloroquine. Amodiaquine has been widely used to treat malaria. Due to reports of fatal adverse drug reactions, discontinuation or modification of its use has been suggested.
Amodiaquine is a hapten of molecular weight 267.3 g/mol.

IMMUNOGEN

4-amino-2(diethylaminomethyl)phenol a preparation of a carrier protein

SPECIFICITY

HYB 320-04 has specificity for the non-quinoline sidechain of amodiaquine. HYB 320-04 can be used for quantitation of amodiaquine in human serum or plasma with a detection limit of app. 2 ng/ml.

EPITOPE SPECIFICITY

HYB 320-04 is specific for the non-quinoline sidechain of amodiaquine

REACTIVITY

HYB 320-04 reacts with amodiaquine and is able to distinguish from other antimalarial drugs. Crossreactivity towards desethylchloroquine is app. 1%. Crossreactivity towards desethylamodiaquine has not been tested.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

X63-Ag8.653

IMMUNIZATION

Female CF1 x BALB/c mice immunized i.p. with immunogen adsorbed onto Al(OH)3

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:4000	
Immunoblotting	Not determined		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on use as detection antibody on antigen coated directly onto the microtiter well. Users should determine the optimal dilutions for their own purposes.

REFERENCES

1. Rowell V, Rowell FJ, Baker A, Laurie D, Sidki AM (1988) A specific ELISA method for determining chloroquine in urine or dried blood spots. Bull World Health Organ 66:211-217.
2. Shenton FC, Bots M, Menon A, Eggelte TA, de Wit M, Greenwood BM (1988) An ELISA test for detecting chloroquine in urine. Trans R Soc Trop Med Hyg 82:216-220.
3. Escande C, Chevalier P, Verdier F, Bourdon R (1990) Sensitive radioimmunoassay and enzyme-linked immunosorbent assay for the simultaneous determination of chloroquine and its metabolites in biological fluids. J Pharm Sci 79:23-27.

CONDITIONS