



Anti Atrazine
mouse monoclonal antibody
HYB 225-01

Subclass: IgG_{2a}k

PRODUCT NO.

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 4-8°C

ANTIGEN

Atrazine is a triazine herbicide widely used for control of broadleaf and grassy weeds, especially in corn, cotton and sugarcane fields. It kills most plants by blocking the electron transport chain in their chloroplasts.

IMMUNOGEN

Atrazine coupled to PPD

SPECIFICITY

HYB 225-01 is specific for atrazine

EPI TOPE SPECIFICITY

Not determined

REACTIVITY

Not determined

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	1:800	
Immunoblotting	Not determined		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on sandwich ELISA in combination with a polyclonal antibody against the antigen. Users should determine the optimal dilutions for their own purpose.

REFERENCES

CONDITIONS

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.