ANTIBODYSHOP®

PRODUCT SPECIFICATION

08/05/2008

Anti-Ovalbumin (chicken)
Mouse monoclonal antibody

Subclass: IgG1/k

PRODUCT NO. **HYB 099-09**

PRESENTATION

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

ANTIGEN

Ovalbumin is the main protein found in egg white, making up 60-65% of the total protein. Native chicken ovalbumin is a globular monomer with a molecular mass of 45 kDa (1). It is structurally related to both serpins and lipocalins.

IMMUNOGEN

Purified chicken ovalbumin adsorbed onto aluminum hydroxide gel.

SPECIFICITY

HYB 099-09 reacts with native chicken ovalbumin. Cross-reactivity with ovalbumins from other avian species has not been tested

EPITOPE SPECIFICITY

Epitope specificity differs from that of HYB 099-01 and HYB 099-02, as indicated by lack of mutual inhibition of antigen binding.

REACTIVITY

HYB 099-09 reacts with ovalbumin in its native form, but does not recognize denatured ovalbumin.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

SP2/O-Ag14

IMMUNIZATION

Female BALB/c mice immunized by intraperitoneal injection

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1/8000	
Immunoblotting	No		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on use as detection antibody for native ovalbumin coated at 1 µg/ml. Users should determine the optimal dilutions for their own purposes.

REFERENCES

1. Nisbet AD, Saundry RH, Moir AJ, Fothergill LA, Fothergill JE (1981) The complete amino acid sequence of hen ovalbumin. Eur J Biochem 115:335-345.

CONDITIONS

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