

**Anti-Ovalbumin (chicken)
Mouse monoclonal antibody**

Subclass: IgG1/k

PRODUCT NO.	HYB 099-02
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 4-8°C
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 099-02 reacts with native chicken ovalbumin (2). 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 099-09, as indicated by lack of mutual inhibition of antigen binding.
REACTIVITY	HYB 099-02 reacts with ovalbumin in its native form, but does not recognize denatured ovalbumin. HYB 099-02 can be used for immunoprecipitation of ovalbumin.

CULTURE MEDIUM RPMI 1640 with 10% fetal calf serum

FUSION PARTNER X63-Ag8.653

IMMUNIZATION Female BALB/c mice immunized by intraperitoneal injection

APPLICATION	Method	Usability	Dilution guideline	References
	ELISA	Yes	1/32,000	
	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	<ol style="list-style-type: none"> Nisbet AD, Saundry RH, Moir AJ, Fothergill LA, Fothergill JE (1981) The complete amino acid sequence of hen ovalbumin. <i>Eur J Biochem</i> 115:335-345. Houen G, Koch C (1997) A non-denaturing enzyme linked immunosorbent assay with protein preadsorbed onto aluminum hydroxide. <i>J Immunol Methods</i> 200:99-105.
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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.