



**Anti Serum albumin (human, denatured, HSA)
Mouse Monoclonal Antibody**

Subclass: IgG₃/κ

PRODUCT NO. **HYB 189-01**

PRESENTATION Preparation: Protein-A/G purified
Content: 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 Human serum albumin (HSA) consists of a single polypeptide chain of 584 aminoacids, stabilized by 17 disulfide bridges. HSA is the most common protein in serum, it is produced in the liver and the concentration in serum is 35-50 mg/ml. HSA is often used as a carrier molecule because of its binding capacity, and thus mainly functions as the regulator of the colloidal osmotic pressure of the blood. The molecular weight is 67.5 kDa (1).

IMMUNOGEN Denaturated HSA isolated from human plasma

SPECIFICITY HYB 189-01 is specific for denaturated HSA

EPI TOPE SPECIFICITY Epitope specificity differs from HYB 189-09 as determined by inhibition ELISA

REACTIVITY HYB 189-01 reacts strongly with denaturated HSA. Strong reaction is seen in ELISA with denaturated HSA directly coated onto the microtiterwell. In Western blot after SDS-PAGE, HYB 189-01 reacts with denaturated HSA in non-reduced form only.

There is no reaction to heat denaturated HSA.

CULTURE MEDIUM Dulbecco's modified Eagle's medium with 10% fetal calf serum

FUSION PARTNER X63-Ag8.653.

IMMUNIZATION Female CF1 x Balb/c mice, immunized intraperitonelly with antigen adsorbed onto Al(OH)₃.

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes		
Immunoblotting	Yes		
Immunohistochemistry	Not determined		

REFERENCES

1. Scott T & Eagleson M (1988) Concise Encyclopedia Biochemistry: Walter de Gruyter, New York.

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.