

**Anti-Albumin, human serum (HSA, denatured)
Mouse monoclonal antibody**

Subclass: IgG3/k

PRODUCT NO.

HYB 189-01

Clone: 14B5

PRESENTATION

Preparation: Supernatant

Content: 10 mL, 20 µg/mL

Solvent: -

Storage: 4-8°C without exposure to light. No precautions necessary during handling.

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

Denatured HSA isolated from human plasma adsorbed onto aluminum hydroxide gel

SPECIFICITY

HYB 189-01 is specific for denatured HSA

EPITOPE SPECIFICITY

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

REACTIVITY

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

There is no reaction to heat denatured 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 by intraperitoneal injection

APPLICATION

| Method | Usability | References |
|----------------------|----------------|------------|
| ELISA | Yes | |
| Immunoblotting | Yes | |
| Immunohistochemistry | Not determined | |

REFERENCES

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

CONDITIONS

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