

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

Subclass: IgG₁/k

PRODUCT NO.

HYB 192-02

Clone: 15D2

PRESENTATION

Preparation: Protein-A/G purified

Content: Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide

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

Native HSA isolated from human plasma adsorbed onto aluminum hydroxide gel

SPECIFICITY

HYB 192-02 is specific for native human serum albumin (HSA)

EPI TOPE SPECIFICITY

HYB 192-02 differs from 192-01 and 193-05, but overlap, as determined by inhibition ELISA

REACTIVITY

HYB 192-02 reacts strongly with native HSA. A strong reaction is seen in ELISA with native HSA directly coated onto the microtiterwell, also when tested in catching ELISA in combination with a polyclonal antibody against HSA (eg. DAKO A 001). In Western blot after SDS-PAGE, HYB 192-02 reacts with native HSA in nonreduced form only.

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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