

**Anti-Complement component C2 (human)
 Mouse monoclonal antibody**

Subclass: IgG1/k

PRODUCT NO.

HYB 050-08

Clone: 6E3-(C2S11)

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

Complement component C2 is a component of the classical complement pathway and is involved in activation of C3 and C5. C2 consists of a single polypeptide chain with a molecular mass of 102 kDa (2).

IMMUNOGEN

Complement component C2 isolated from human plasma adsorbed onto aluminum hydroxide gel(1)

SPECIFICITY

HYB 050-08 is specific for C2 from human plasma/serum. Cross-reactivity to C2 from other species has not been tested.

EPI TOPE SPECIFICITY

Epitope specificity differs from that of HYB 050-04 and HYB 050-05 as determined by inhibition ELISA.

REACTIVITY

HYB 050-08 reacts strongly with C2. A strong reaction is seen with human serum/plasma and no reaction is seen with serum from patients deficient in C2, when tested in sandwich ELISA with a polyclonal antibody against C2. In Western blotting after SDS-PAGE, HYB 050-08 reacts with C2 and a subfraction of C2 believed to be C2b, both under reducing and non-reducing conditions. A dilution guideline of 1/250 has proved successful (1). In ELISA, reaction is also seen with C2 directly coated onto the microtiter well.

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	1
Immunoblotting	Yes	1
Immunohistochemistry	Not determined	

REFERENCES

1. Stenbaek EI, Koch C, Barkholt V, Welinder KG (1986) Human complement component C2: production and characterization of polyclonal and monoclonal antibodies against C2. Mol Immunol 23:879-886.
2. Law SKA, Reid KBM (1988) Complement. In: In Focus (Ed. Male D) IRL Press: Oxford.

CONDITIONS

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