

## anti-human Factor H FITC-conjugated

FITC - conjugated monoclonal antibody OX-24 to human-Factor H

Cat-No: **21158883**

500 µl

**Clone:** OX-24

**Specificity:** The anti-human factor H (beta 1H) (139kD) monoclonal antibody clone OX-24 inhibits the binding of factor H to surface bound C3. This antibody recognizes the human serum complement protein factor H and a 43-49kD truncated form of factor H present at low levels (1-5mg/ml) in plasma and urine. Factor H occurs on the surface of some myeloid cell lines. The purified antibody cross-reacts with sera from other primates (rhesus monkey, cynomolgus monkey, African green monkey) in immunoprecipitation assay, but not with cow, pig, sheep, chick or rabbit sera.

**Isotype subclass:** Mouse IgG1

**Form:** The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.2)

**Expiration date:** The reagent is stable until the expiry date stated on the vial label.

**Storage conditions:** Store at 4 °C. Avoid prolonged exposure to light.

**Application:** Flow cytometry

### References:

- 1). Fontaine, M., Demares, M.J., Koistinen, V., Day, A.J., Davrinche, C., Sim, R.B., Ripoche, J., 1989. Truncated forms of human complement factor H. *Biochem. J.* 258:927-930
- 2). Sim, E. et al 1983. Monoclonal antibodies against the complement control protein factor H (beta 1H). *Biosci. Rep.* 3:1119-1131
- 3). Gasque, P. et al, 1998. Identification of an astrocyte cell population from human brain that expresses perforin, a cytotoxic protein implicated in immune defense. *J. Exp. Med.*, Vol. 187 Number 4:451-460

**Background:** Factor H is a regulatory factor of the alternative complement pathway. Factor H is a glycoprotein consisting of a single polypeptide chain with molecular mass of ~155 kDa. Human plasma concentration is approximately 500 µg/ml

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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