

Monoclonal Antibody to Human Factor H

Catalog No.:	SM1758
Quantity:	5 ml
Host / Isotype:	Mouse / IgG1
Clone:	OX-24
Immunogen:	Human complement factor H

Format: This antibody is supplied as liquid, Tissue Culture Supernatant with 0.09% sodium azide as preservative.

Applications: Immunoprecipitation. Western blotting. ELISA. 1/500 as detecting antibody. Not suitable for Flow cytometry. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
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Specificity: This antibody recognises the human serum complement protein factor H (155kD), binding to a different epitope from MRC OX23. The antibody also recognises a 43-49kD truncated form of factor H present at low level (1-5 mg/ml) in plasma and urine. In an immunoprecipitation system, it recognises factor H in other primates, but not in cow, sheep, pig, chicken or rabbit sera. Factor H occurs on the surface of some myeloid cell lines, and antibody will bind to its epitope on U937 and some B lymphoblastoid cell lines. This antibody inhibits the binding of factor H to surface bound C3b, and recognises Factor H in Western blotting procedures.

Storage: Store the antibody at 4-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

1. Alsenz J, Schulz TF, Lambris JD, Sim RB, Dierich MP. Structural and functional analysis of the complement component factor H with the use of different enzymes and monoclonal antibodies to factor H. *Biochem J.* 1985 Dec 15;232(3):841-50. PubMed PMID: 2936333.
2. Fontaine, M. et al. (1989). Truncated forms of human complement factor H. *Biochem. J.* 258: 927-930.
3. Sim, E. et al. (1983). Monoclonal antibodies against the complement control protein