

Product datasheet for **SM1376B**

Factor I (CFI) Mouse Monoclonal Antibody [Clone ID: OX-21]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-21
Applications:	ELISA, FC, IP, R, WB
Recommended Dilution:	ELISA: 1/40000 (Plates were coated with 2 ug/ml purified Factor I, and HRPO-Streptavidin was used for detection). Western Blot. Flow Cytometry. Immunoprecipitation. Radioimmunoassay.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human complement Factor I. Donor: Immunized FI cross DBA/2 x BALB/c mouse spleen cells Fusion Partner: NS-1 mouse myeloma
Specificity:	Anti-human factor I (C3b inactivator) monoclonal antibody clone OX-21 recognizes human complement protein factor I. Factor I has two polypeptide chains, 56kD and 38kD. This antibody detects only the 56kD chain. This clone has been reported not to cross react with Rat.
Formulation:	PBS Label: Biotin State: Liquid purified IgG fraction Stabilizer: EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Conjugation:	Biotin



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Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement factor I
Database Link:	Entrez Gene 3426 Human P05156
Background:	Factor I is a serine protease with a high degree of specificity for C3b and C4b. It requires protein cofactors for cleavage of these complement protein breakdown products: Factor H, CR1 and MCP are required for C3b cleavage and C4bp or CR1 for C4b cleavage.
Synonyms:	CFI, IF, KAF, AHUS3, C3BINA, C3b-INA
Protein Families:	Druggable Genome, Protease, Secreted Protein
Protein Pathways:	Complement and coagulation cascades