

Product datasheet for **SM1376P**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-21
Applications:	ELISA, FC, IHC, IP, R, WB
Recommended Dilution:	ELISA. <i>Titre:</i> 1/40 000 (plates coated with 2 µg/ml purified Factor I and HRPO Goat anti-Mouse IgG secondary antibody). Western Blot. Flow Cytometry. Immunoprecipitation. Immunohistochemistry on Paraffin Sections (20 µg/ml).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Human Complement Factor 1. Spleen cells from immunised FI cross DBA/2 x Balb/c mice were fused with cells of the NS-1 mouse myeloma cell line.
Specificity:	This 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 State: Purified State: Liquid purified IgG fraction Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated



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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 plasma protein of molecular weight 88 kDa, consisting of two disulphide linked chains of 50 and 38 kDa. Factor I is a serine protease with a high degree of specificity for C3b and C4b. It has a requirement for protein cofactors for cleavage of these complement proteins, Factor H, CR1 or 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