

Product datasheet for **SM1376F**

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:	Flow cytometry.
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 containing 0.02% sodium azide (NaN ₃) as preservative and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. Label: FITC State: Liquid purified Ig fraction Label: Fluorescein isothiocyanate isomer 1
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
Storage:	Store the antibody 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



[View online »](#)

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