

Product Information

Monoclonal mouse anti-fluorescein (FITC)- CF™ Dye conjugate affinity isolated antibody

Product Description

CF™ dye monoclonal mouse anti-fluorescein (FITC) conjugates are affinity-purified antibodies conjugated to fluorescent CF dyes for the detection of proteins or nucleic acids conjugated to fluorescein (FITC). CF dyes are excellent alternatives to Alexa Fluor® dyes for antibody labeling, with exceptional brightness, photostability, and/or specificity. See Table 1 for absorption and emission wavelengths of CF dye antibody conjugates.

Table 1.
Spectral properties of CF dye antibody conjugates

Antibody conjugate	λ_{abs} (nm)	λ_{em} (nm)
CF405M	408	452
CF488A	487	513
CF594	593	614
CF633	630	650
CF640R	642	662

Reagent

Supplied as a solution in PBS, pH ~7.4, containing 50% glycerol, 2 mg/ml bovine serum albumin (IgG-free and protease-free), and 0.05% sodium azide as a preservative.

Antibody Concentration: 2 mg/mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

Product remains active for about 6 months at -20 °C as an undiluted liquid. Storage of the antibody for more than a day at final working dilution is not recommended.

Product Profile

The suggested dilution range for anti-fluorescein (FITC)-CF dye conjugates for immunofluorescence and flow cytometry applications is 1–10 µg/mL.

Note: In order to obtain the best results using various techniques and preparations, it is recommended the end user determine the optimal working dilution for their experimental system by titration assay.

This product is distributed by Sigma-Aldrich Co. under the authorization of Biotium, Inc. This product is covered by one or more US patents and corresponding patent claims outside the US patents or pending applications owned or licensed by Biotium, Inc. including without limitation: 12/334,387; 12/607,915; 12/699,778; 12/850,578; 61/454,484. In consideration of the purchase price paid by the buyer, the buyer is hereby granted a limited, non-exclusive, non-transferable license to use only the purchased amount of the product solely for the buyer's own internal research in a manner consistent with the accompanying product literature. Except as expressly granted herein, the sale of this product does not grant to or convey upon the buyer any license, expressly, by implication or estoppel, under any patent right or other intellectual property right of Biotium, Inc. Buyer shall not resell or transfer this product to any third party, or use the product for any commercial purposes, including without limitation, any diagnostic, therapeutic or prophylactic uses. This product is for research use only. Any other uses, including diagnostic uses, require a separate license from Biotium, Inc. For information on purchasing a license to use this product for purposes other than research, contact Biotium, Inc., 3159 Corporate Place, Hayward, CA 94545, Tel: (510) 265-1027. Fax: (510) 265-1352. Email: btinfo@biotium.com.

CF is a trademark of Biotium.
Alexa Fluor is a registered trademark of Invitrogen.

AKN,MAM 10/11-1