

Product Information

CF® Dye Azide or Biotin Azide

Product List

Catalog no.	Azide Conjugate	Unit size	Ex/Em (nm)	MW (free acid form)
92092	CF@405M	0.5 mg	408/452	~583
92080	CF@488A	0.5 mg	490/515	~996
92180	CF@532	0.5 mg	527/558	~768
92181	CF@543	0.5 mg	541/560	~969
92081	CF@555	0.5 mg	555/565	~983
92082	CF@568	0.5 mg	562/583	~796
92083	CF@594	0.5 mg	593/614	~811
92085	CF@640R	0.5 mg	642/662	~914
92084	CF@647	0.5 mg	650/665	~1067
92094	CF@660C	0.5 mg	667/685	~3194
92182	CF@660R	0.5 mg	663/682	~970
92119	CF@680	0.5 mg	681/698	~3,234
96000	CF@680R	0.5 mg	680/701	~994
92167	Biotin	1 mg	---	~445

Storage and Handling

Store CF® Dye Azide or Biotin Azide at -20°C, protected from light. Product is stable for at least 12 months from date of receipt if stored as recommended. Stock solution may be prepared in DMSO or dH₂O and can be stored at ≤ -20°C for at least 12 months.

Product Description

For this set of products, we provide our CF® dyes or biotin in the azide form. CF® dyes or biotin with an azide group can be used to label or detect alkyne, BCN, DBCO, or DIFO by fluorescence spectroscopy, microscopy, or flow cytometry. CF® Dye Azide or Biotin Azide can react with alkyne to form 1,2,3-triazole by copper(I) catalyzed 1,3-dipolar Huisgen cycloaddition. It can also label BCN, DBCO, and DIFO in a copper-free bioorthogonal 1,3-dipolar Huisgen cycloaddition or undergo Staudinger ligation with phosphine containing compounds.

CF® dyes are Biotium's line of next generation fluorescent dyes with combined advantages in brightness, photostability, and water solubility.

Related Products

Catalog number	Product
90082	DMSO, Anhydrous
92187	CF@488A Picolyl Azide
92188	CF@568 Picolyl Azide
92189	CF@594 Picolyl Azide
92190	CF@640R Picolyl Azide
92191	CF@647 Picolyl Azide
96001	CF@660C Picolyl Azide
96002	CF@660R Picolyl Azide
96003	CF@680 Picolyl Azide
96007	CF@680R Picolyl Azide
92086	CF@488A Alkyne
92087	CF@555 Alkyne
92088	CF@568 Alkyne
92089	CF@594 Alkyne
92090	CF@647 Alkyne
92091	CF@640R Alkyne
92093	CF@405M Alkyne
92095	CF@660C Alkyne
92113	CF@405S BCN
92114	CF@405M BCN
96070	CF@440 BCN
92075	CF@488A BCN
96026	CF@500 BCN
92076	CF@568 BCN
92077	CF@594 BCN
92078	CF@640R BCN
96059	CF@647 BCN
96027	CF@650 BCN
96058	CF@680 BCN
92079	CF@680R BCN
92168	Biotin Alkyne
92169	Biotin BCN
92186	Biotin Picolyl Azide

Please visit our website at www.biotium.com for information on our life science research products, including a full selection of CF® reactive dyes and CF® dye conjugates including succinimidyl esters, maleimides, amines, and hydrazides. Biotium also offers convenient Mix-n-Stain™ CF® Dye Antibody Labeling Kits for convenient and stable antibody labeling in only 30 minutes.

CF dye technology is covered by pending U.S. and international patents. Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use.