

Product Information

CF™ Dye / Biotin / DNP Tyramide

Unit Size: 0.5 mg

Technical Summary

Cat. No.	CF™ Dye	Abs _{max} (nm)	Em _{max} (nm)	Extinction coefficient	MW
92170	CF™350	347	448	18,000	~614
92197	CF™405S	404	431	33,000	~689
92198	CF™405L	395	545	24,000	~1692
92171	CF™488A	490	515	70,000	~666
92199	CF™514	516	548	105,000	~1337
92172	CF™543	541	560	100,000	~1006
96020	Cyanine 555	555	565	150,000	~851
96021	CF™555	555	565	150,000	~3076
92173	CF™568	562	583	100,000	~833
92174	CF™594	593	614	115,000	~848
92194	CF™620R	617	639	115,000	~857
92175	CF™640R	642	662	105,000	~951
96022	CF™647	650	665	240,000	~928
92195	CF™660R	663	682	100,000	~1007
92196	CF™680R	680	701	140,000	~1031
92176	Biotin-XX	---	---	---	~590
96018	Fluorescein	492*	514*	90,000	~495
96019	DNP	---	---	---	~416

* Abs / ems in pH=9 buffer

Storage and Handling

Store CF™ dye / biotin / DNP tyramide 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

CF™ dye / biotin / DNP tyramide conjugate is used for tyramide signal amplification (TSA)^{1,2,3}, which is an enzyme mediated detection method that uses horseradish peroxidase (HRP) to generate high-density labeling of a target protein or nucleic acid in situ. A tyramide conjugate is incubated in the presence of HRP (often bound to a secondary antibody), which catalyzes the binding of the tyramide (and associated label) to adjacent tyrosines for enhanced fluorescent or colorimetric signal.

1. Journal of Immunological Methods 125, 279-285 (1989).
2. Journal of Immunological Methods 137, 103-112 (1991).
3. Cytometry A. (2010), doi:10.1002/cyto.a.20970

Related Products

Cat #	Product Name	Unit Size
20400-1mL	HRP Goat Anti-Mouse IgG (H+L), 1mg/mL	1 mL
20400-100uL	HRP Goat Anti-Mouse IgG (H+L), 1mg/mL	100 uL
20400-1mg	HRP Goat Anti-Mouse IgG (H+L), 1mg	1 mg
20401-1mL	HRP Goat Anti-Mouse IgG (H+L), highly cross-adsorbed, 1mg/mL	1 mL
20401-100uL	HRP Goat Anti-Mouse IgG (H+L), highly cross-adsorbed, 1mg/mL	100 uL
20401-1mg	HRP Goat Anti-Mouse IgG (H+L), highly cross-adsorbed	1 mg
20402-1mL	HRP Goat Anti-Rabbit IgG (H+L), 1mg/mL	1 mL
20402-100uL	HRP Goat Anti-Rabbit IgG (H+L), 1mg/mL	100 uL
20402-1mg	HRP Goat Anti-Rabbit IgG (H+L)	1 mg
20403-1mL	HRP Goat Anti-Rabbit IgG (H+L), highly cross-adsorbed, 1mg/mL	1 mL
20403-100uL	HRP Goat Anti-Rabbit IgG (H+L), highly cross-adsorbed, 1mg/mL	100 uL
20403-1mg	HRP Goat Anti-Rabbit IgG (H+L), highly cross-adsorbed	1 mL
29049	HRP Streptavidin	1 mg
92300	Mix-n-Stain HRP Antibody Labeling Kit	1x 10-20 ug labeling
92301	Mix-n-Stain HRP Antibody Labeling Kit	1x 25-50ug labeling
92302	Mix-n-Stain HRP Antibody Labeling Kit	1x 50-100ug labeling
23001	EverBrite™ Mounting Medium	10 mL
23002	EverBrite™ Mounting Medium with DAPI	10 mL
23003	EverBrite™ Hardset Mounting Medium	10 mL
23004	EverBrite™ Hardset Mounting Medium with DAPI	10 mL
23005	CoverGrip™ Coverslip Sealant	15 mL
23006	Flow Cytometry Fixation/Permeabilization Kit	50 tests

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.

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