

THE RIGHT LIGHT

CHROMIS

Fluorescent Dyes for labelling

04

TECHNICAL DESCRIPTION

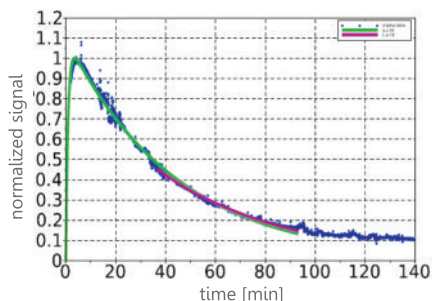
CHROMIS is a product line of fluorescent dyes for the conjugation of bio and smaller molecules. The line covers the full range from 400 to 800 nm. The dyes are available with different properties and reactivities, in order to satisfy most of the requirements of the final applications, azide derivatives for click chemistry included. After the bio-conjugation, the CHROMIS dyes can be used in all the most common applications for molecular biology, including Western blotting, flow cytometry and fluorescent microscopy.

FEATURES

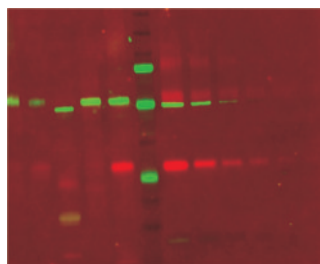
- Ready to use for conjugation
- High brightness
- High purity
- Availability of different properties and reactivities
- Customized derivatization, including conjugation with bio and smaller molecules

Cyanagen offers the synthesis of customized dyes in order to meet specific requirements of the client. For further information, please contact sales@cyanagen.com.

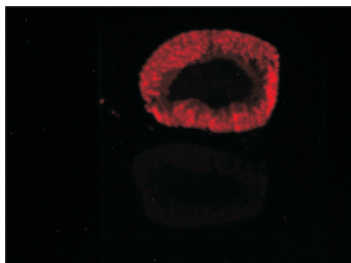
EXAMPLES OF POST-CONJUGATION APPLICATIONS WITH CHROMIS DYES



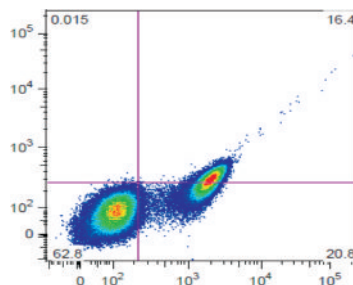
GFR measurement (US2015/0328342 A1)



Fluorescent Western blotting

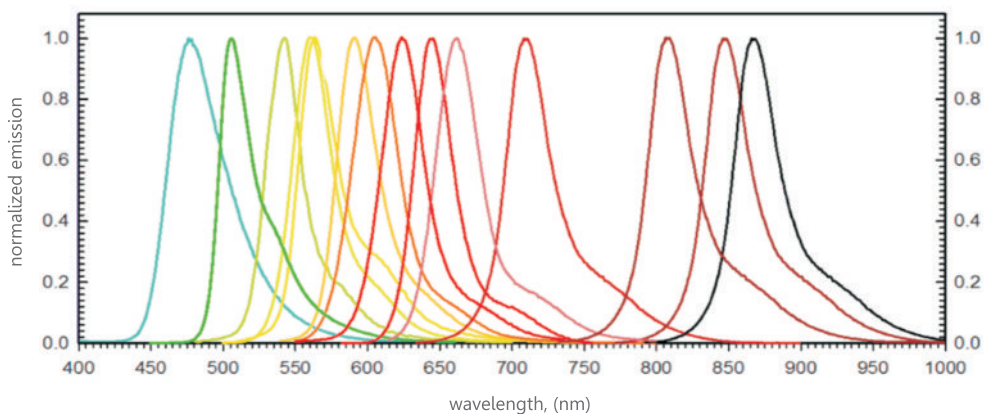


Fluorescent Microscopy



Flow Cytometry

OUR BESTSELLERS



Emission Spectra of CHROMIS line

CHROMIS	Ex-Max (nm)	Em-Max (nm)	Ext. Coeff. ($M^{-1}cm^{-1}$)	Quantum yield
CHROMIS 500 N - NHS ESTER	496	506	88.000	1.00
CHROMIS 530 N - NHS ESTER	529	561	54.000	0.7
CHROMIS 550 A - NHS ESTER	553	568	150.000	0.04
CHROMIS 590 A - NHS ESTER	584	598	125.000	0.14
CHROMIS 645 A - NHS ESTER	648	667	250.000	0.15±0.25
CHROMIS 678 A - NHS ESTER	677	703	195.000	0.15±0.25
CHROMIS 770 A - NHS ESTER	772	803	270.000	0.10±0.15
CHROMIS 800 A - NHS ESTER	802	825	250.000	0.10
CHROMIS 830 A - NHS ESTER	832	854	200.000	0.10

For more dyes and details, please visit www.cyanagen.com