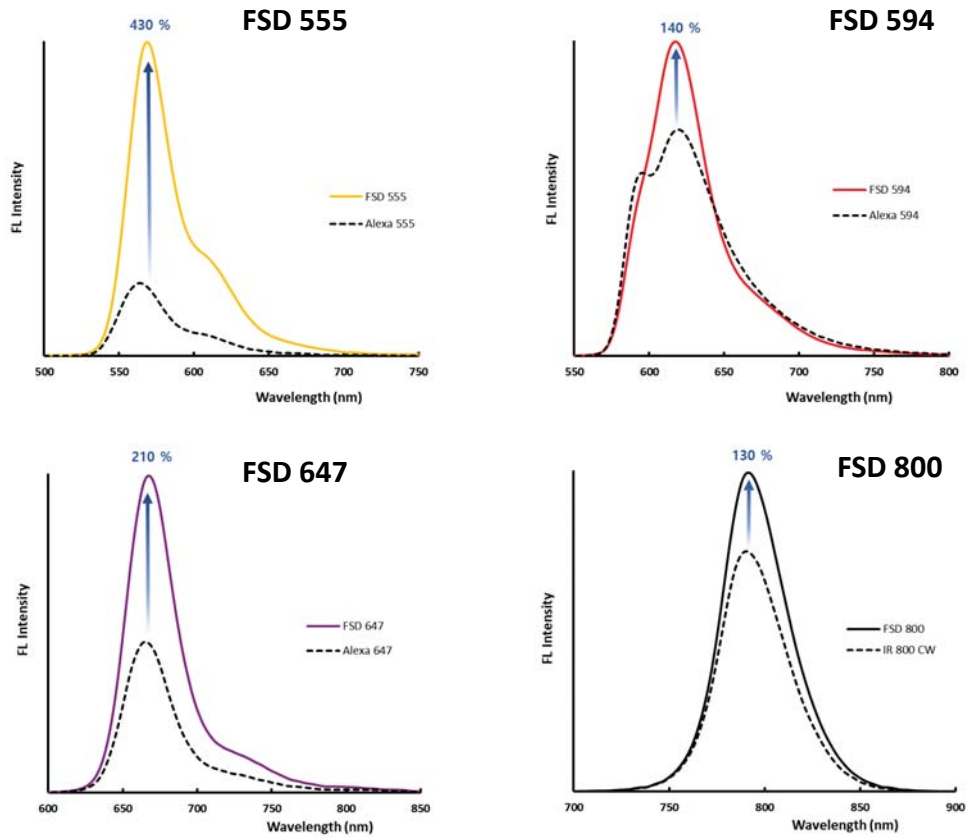


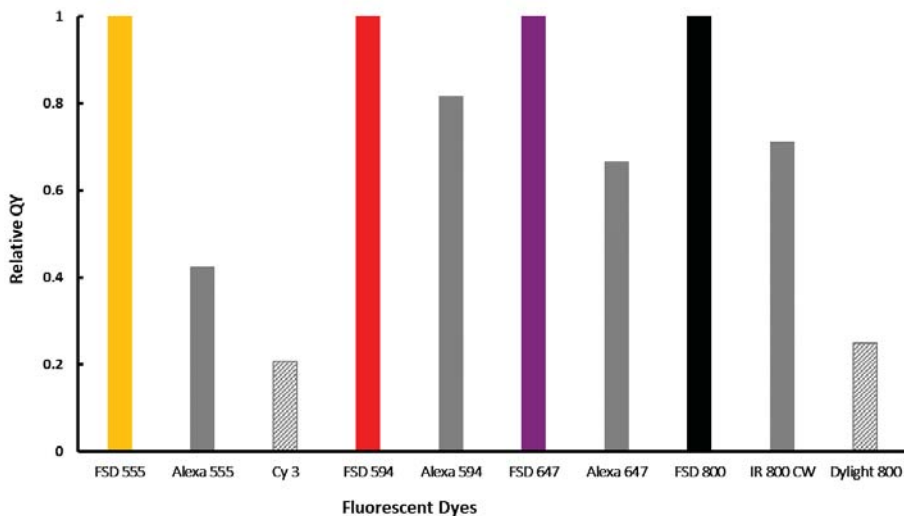
FSD Fluor™ Series

Unparalleled Fluorescence Across Full Spectrum

Bright! Superior fluorescence intensity among commercial dyes.
Robust! Photostable & maintain excellent fluorescence after conjugation.
Reactive! Can labeling antibodies, proteins, peptides, amine-modified nucleotides.

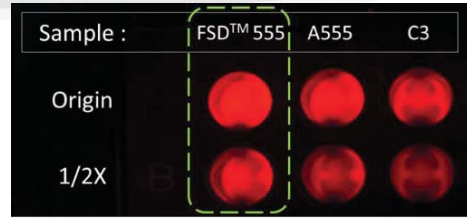


Fluorescence intensity comparison of FSD Fluor and other dyes

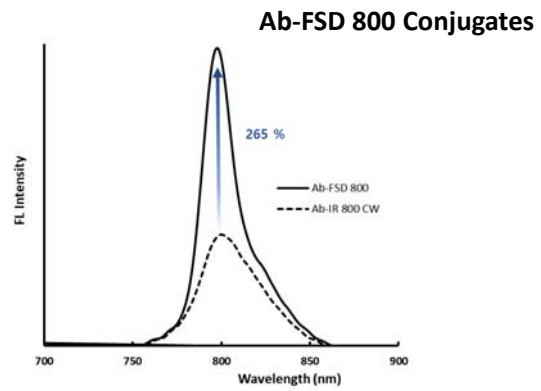
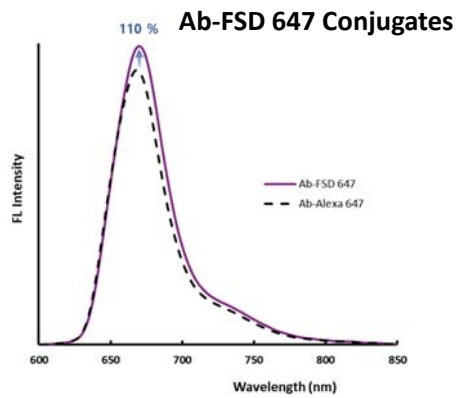
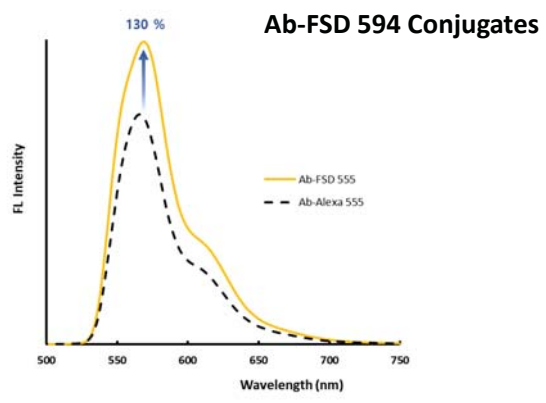
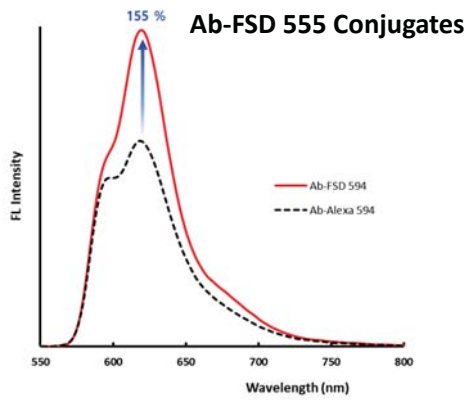


Relative quantum yields comparison of FSD Fluor and other dyes

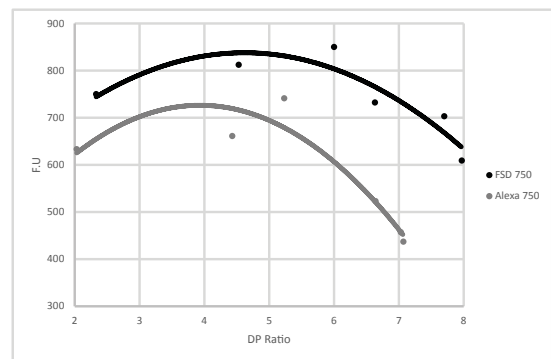
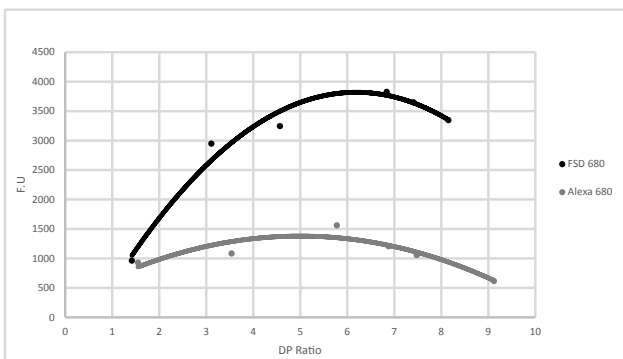
- Superior fluorescence intensity
- Highest quantum yields
- Excellent fluorescence upon conjugation
- Covering full spectrum from UV to NIR
- Compatible with all excitation sources



FOBI images comparison of Ab-conjugated dyes (Ab: Goat anti-Mouse IgG H+L secondary ab)



Fluorescence intensity comparison of dye-antibody conjugates

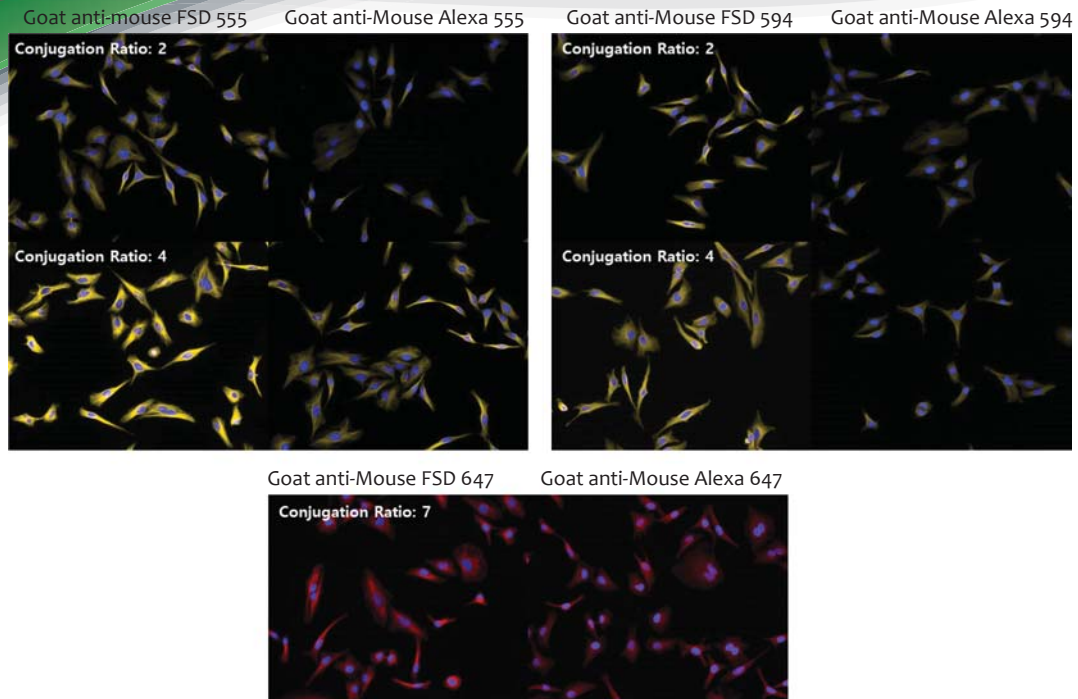


Fluorescence intensity comparison in varying dye/protein ratio

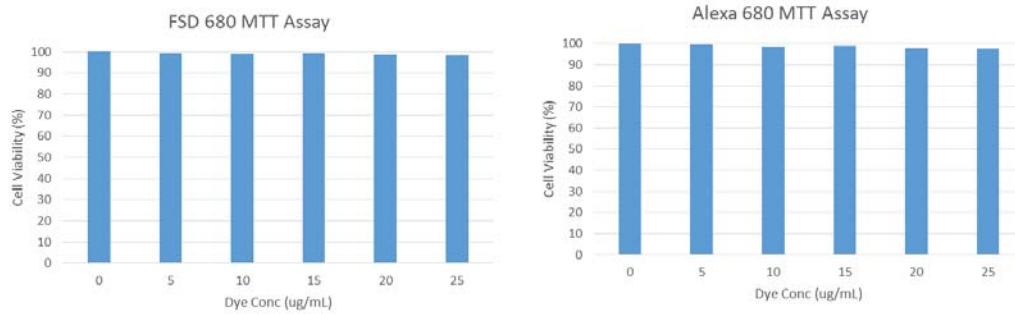


FSD Fluor™ Series

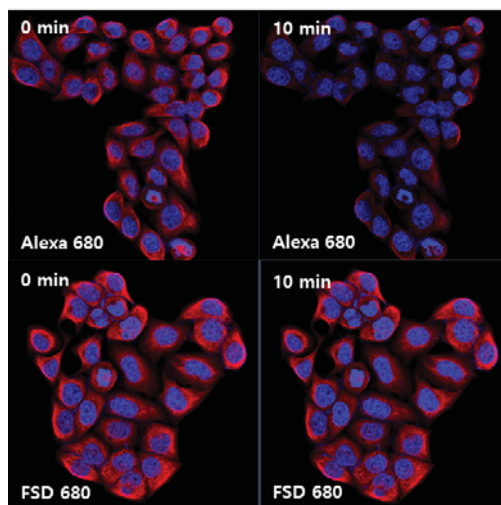
Unparalleled Fluorescence Across Full Spectrum



Immunofluorescence comparison of dye-antibody conjugates



Cytotoxicity comparison



Photostability test of fluorescent secondary antibodies



FSD Fluor™ Series

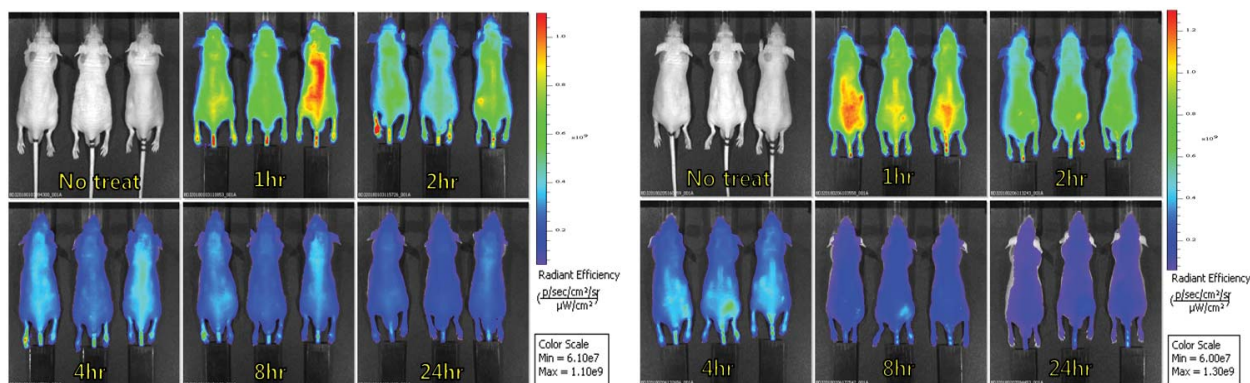
Unparalleled Fluorescence Across Full Spectrum

FSD 488 FSD 555 FSD 594 FSD 647 FSD 750 FSD 800

NHS ester/Maleimide/Vinylsulfone
Amine/Thiol/Carboxylate

Cat. #	FSD series	Ex _{max} (nm)	Em _{max} (nm)	Spectrally similar dyes
KOSC1002	FSD Fluor™ 488	495	519	Alexa Fluor 488, FAM, Cy2
KOSC1003	FSD Fluor™ 555	554	565	Alexa Fluor 555, DyLight 549, Cy3, ATTO 550
KOSC1001	FSD Fluor™ 594	591	617	Alexa Fluor 594, DyLight 594
KOSC1315	FSD Fluor™ 647	651	667	Alexa Fluor 647, Cy5, ATTO 647N, DyLight 650
KOSC1515	FSD Fluor™ 680	679	696	Alexa Fluor 680, Cy5.5, DyLight 680, IRDye 680
KOSC1702	FSD Fluor™ 750	749	774	Alexa Fluor 750, DyLight 755, Cy7, IRDye 750
POSC1803	FSD Fluor™ 800	774	790	Cy7.5, DyLight 800, IRDye 800

Supreme Far-Red Fluorescent Dye



Biodistribution images of FSD 750 and FSD 800

Custom Service: BioActs provides custom antibody/protein fluorescence labeling services with a wide selection of reactive dyes and proper labeling technology.

For ordering custom service, complete custom labeling service request form and submit via email order@bioacts.com or by fax to +82-32-818-8206

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