

AF Dyes

Fluorescent Dyes for High-Performance Labeling

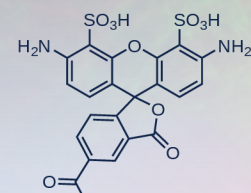
AF Dyes is a series of sulfonated fluorescent dyes for efficient labeling of various biomolecules such as nucleic acids, proteins, antibodies, and lipids. **AF Dyes are structurally identical to Alexa Fluor™ dyes** and offer identical brightness, photostability, and pH tolerance for a variety of imaging applications, including confocal microscopy and flow cytometry.

AF 488 dye

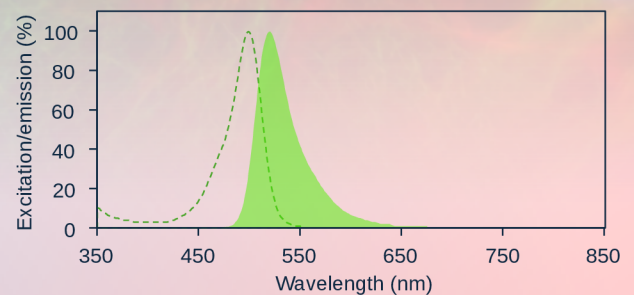
AF488 dye is a bright green fluorescent dye structurally identical to Alexa Fluor™ 488.

Excitation: 490 nm

Emission: 525 nm



AF 488 (triethylamine salt)

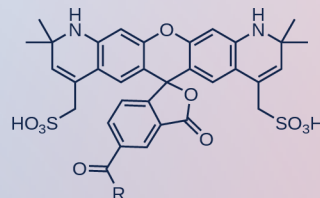


AF 568 dye

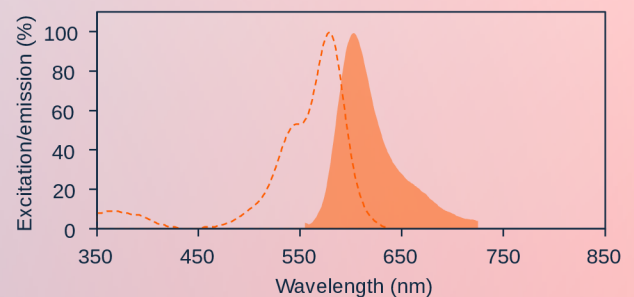
AF568 dye is a bright orange fluorescent dye structurally identical to Alexa Fluor™ 568.

Excitation: 579 nm

Emission: 603 nm



AF 568 (triethylamine salt)

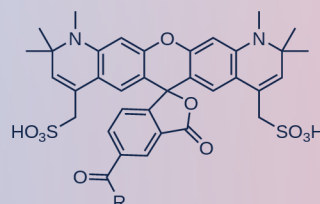


AF 594 dye

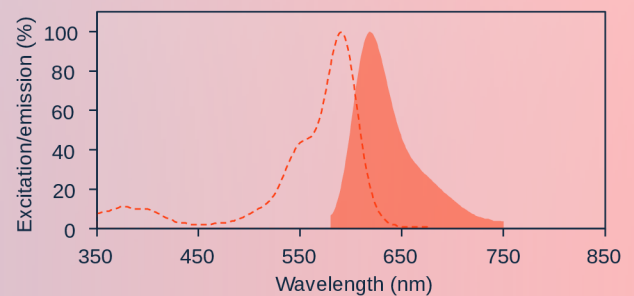
AF594 dye is a bright red fluorescent dye structurally identical to Alexa Fluor™ 594.

Excitation: 590 nm

Emission: 618 nm



AF 594 (triethylamine salt)

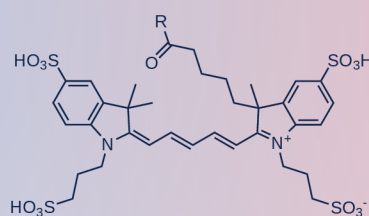


AF 647 dye

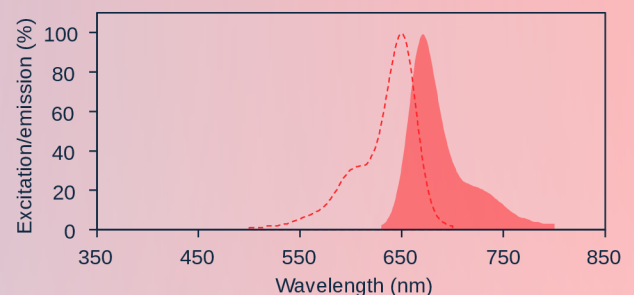
AF647 dye is a bright red-fluorescent dye structurally identical to Alexa Fluor™ 647.

Excitation: 650 nm

Emission: 671 nm



AF 647 (triethylamine salt)



AF Dyes

Fluorescent Dyes for High-Performance Labeling

Key features

Exceptional performance

AF Dyes are structurally identical to **Alexa Fluor™ dyes**, providing same brightness and photostability at a **significantly lower cost**.

High compatibility

AF Dyes are **water-soluble dyes with high pH stability** (4-10) suitable for labeling of biomolecules or small ligands under various conditions.

Various modifications

All AF Dyes are available in **multiple chemical forms**, allowing you to select the option which is best suited for your specific application.

Meet our panel of AF dyes

Modification*	Coupling group	AF 488	AF 568	AF 594	AF 647
NHS ester	Amine	DB410102	DB410202	DB410302	DB410402
Carboxylic acid	Amine (EDC)	DB410103	DB410203	DB410303	DB410403
Amine	NHS ester	DB410104	DB410204	DB410304	DB410404
Alkyne	Azide	DB410105	DB410205	DB410305	DB410405
Azide	Alkyne	DB410106	DB410206	DB410306	DB410406
PEG4 Alkyne	Azide	DB410107	DB410207	DB410307	DB410407
PEG4 Azide	Alkyne	DB410108	DB410208	DB410308	DB410408
DBCO	Azide	DB410109	DB410209	DB410309	DB410409
Maleimide	Thiol	DB410110	DB410210	DB410310	DB410410
PEG5 Biotin	Streptavidin	DB410111	DB410211	DB410311	DB410411
TCO	Tetrazine	DB410112	DB410212	DB410312	DB410412

*All AF modifications are available in 1, 5, 10, 25, 50 and 100 mg quantities.

About DIANA Biotechnologies

DIANA Biotechnologies is a Czech biotech company producing advanced tools for research and development. Powered by a team of top scientists in molecular biology, chemistry, pharmacology, and automation we provide R&D services and products for academic labs, biotech companies, and pharma partners including development of monoclonal antibodies and drug discovery services.



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