

Fluorochromes and their applications

... in Immunophenotyping

Fluorochrome	Laser (nm)	Emission (nm)	Emission dye
Alexa Fluor® 405	360, 405, 407	421	blue
Pacific Blue®	360, 405, 407	455	blue
Alexa Fluor® 488	488	519	green
FITC	488	525	green
Cy3™	488	570	yellow
R-PE	488	575	yellow
PE-Texas Red®	488	615	orange
PE-Alexa Fluor® 610	488	628	orange
PE-Cy5 (TC*)	488	670	red
PerCP™	488	678	red
PE-Cy5.5	488	694	far red
PerCP-Cy5.5™	488	695	far red
PE-Alexa Fluor® 700	488	723	far red
PE-Cy7	488	767	infrared
Texas Red®	595	615	orange
APC	633 / 635	660	red
Alexa Fluor® 647	633 / 635	668	red
Cy5™	633 / 635	670	red
APC-Cy5.5	633 / 635	694	far red
APC-Cy7	633 / 635	767	infrared
APC-Alexa Fluor® 750	633 / 635	775	infrared

... in Viability Tests and DNA-Staining

Fluorochrome	Laser (nm)	Emission (nm)	Application
DAPI	351-364	455	DNA
Hoechst 33258	351-364	478	DNA
Hoechst 33342	351-364	483	DNA
Propidiumiodid (PI)	488	617	DNA, Viability
7AAD	488	650	DNA, Viability
TOTO-3, TO-PRO-3	633 / 635	661	DNA, Viability

... in Functional Tests

Fluorochrome	Laser (nm)	Emission (nm)	Application
Indo 1	351-364	400 / 490	Calcium
Fluo-3	488	526	Calcium
Dihydrorhodamin 123	488	534	Oxidative burst
Fura Red™	488	672	Calcium
CFDA-SE	488	518	Proliferation