Fluorochrome chart

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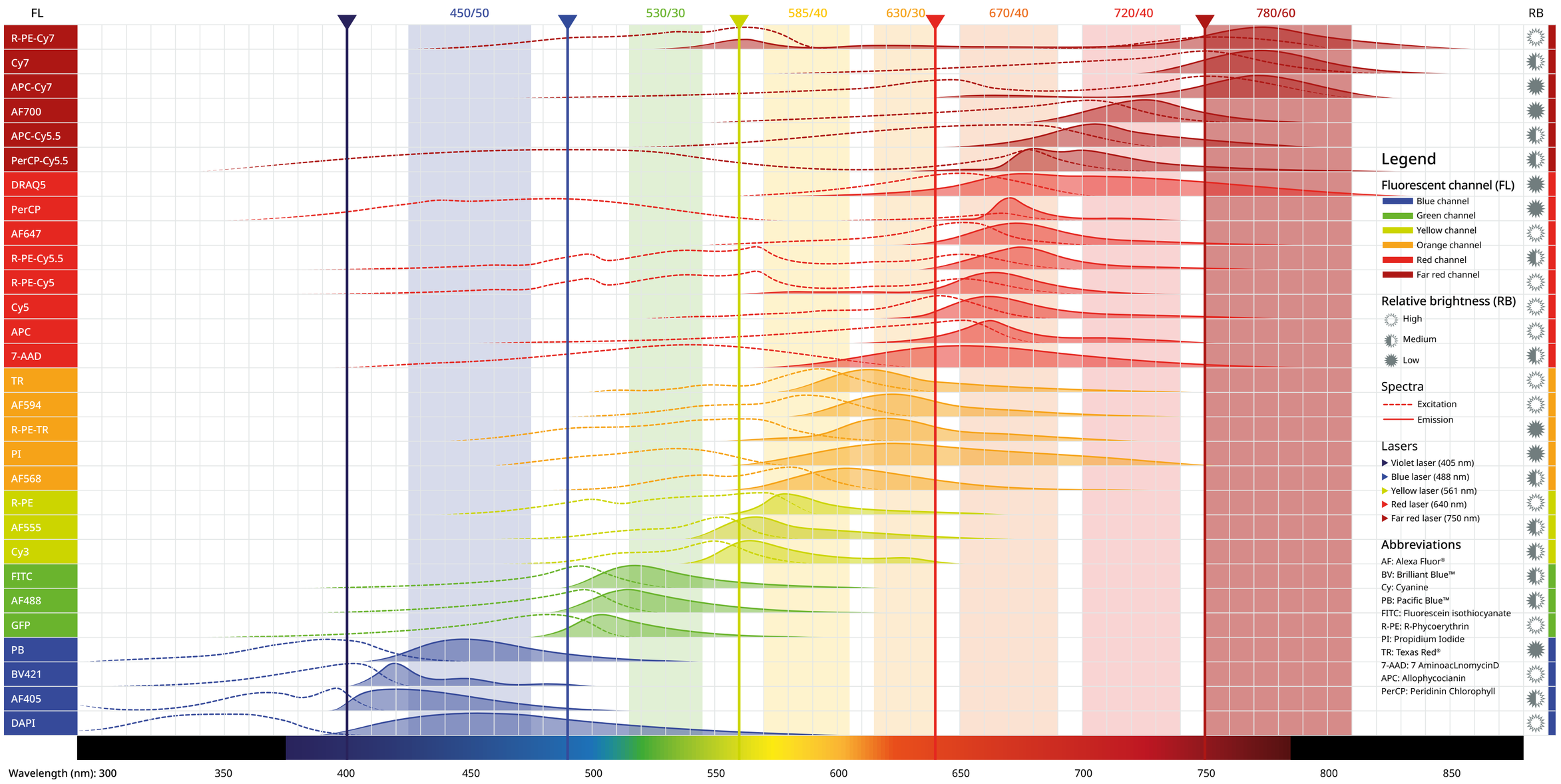
abcam



How to use this chart

1. Check your instrument

Type, number of lasers, filters and detectors dictate the fluorochromes that can be used.

– Try to choose a fluorochrome for each laser excitation range

2. Select bright dyes

It is possible to rank available dyes according to their brightness on a particular instrument.

– Brightest fluorochromes for dim antibodies and vice versa

3. Minimize spillover

The amount of spectral overlap will determine whether compensation is required.

– Sacrifice brightness to avoid spillover

– Avoid spillover from bright cell populations into detectors requiring high sensitivity for those populations

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Examples

Fluorochrome	Target Expression	Lasers	Channels	Brightness	Compensation	Combination
FITC APC	High Low	Blue Red	Green Red	Medium High	Mild	Good
FITC PE	High Low	Blue Yellow	Green Yellow	Medium High	Moderate	Medium
PerCP 7–AAD	High Low	Blue Blue	Red Red	Low Medium	Severe	Poor (not recommended)

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