Novus Knows Conjugates

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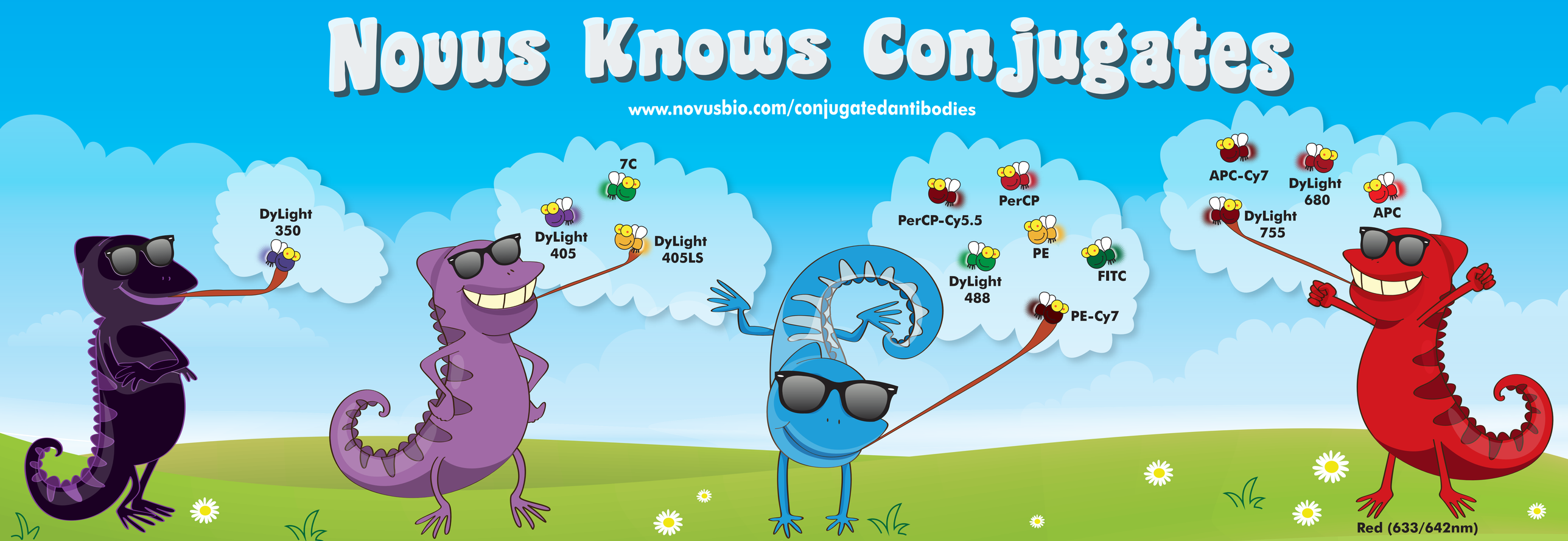

UV (350/375nm)

DyLight 350 is a UV excitable dye that is brighter and more photostable than Alexa Fluor ™ 350. **Ex_{max} =353nm, Em_{max} =432nm**.

Violet (405nm)

DyLight 405 is a violet excitable dye that is a suitable replacement for Alexa Fluor™ 405 and Pacific Blue™. **Ex_{max} =400nm, Em_{max} =420nm**.

7C is an intensely bright alternative to AmCyan that is excited by the 405nm violet laser on flow cytometers. **Ex_{max} =420nm, Em_{max} =502nm**.

DyLight 405LS is a much brighter more photostable alternative to Pacific Orange™. Its long stokes shift makes it a good choice for multicolor applications on the violet laser. **Ex_{max} =397nm, Em_{max} =572nm**.

Blue (488nm)

DyLight 488 is a brighter, photostable replacement for FITC and Alexa Fluor 488™. It is not suitable for use with either dye or GFP. **Ex_{max} =493nm, Em_{max} =518nm**.

FITC (Fluorescein Isothiocyanate) is a small organic fluorophore most suitable for flow cytometry. It cannot be used with DyLight 488 or GFP. **Ex_{max} =498nm, Em_{max} =519nm**.

PE (Phycoerythrin) is a large bright fluorescent protein for flow cytometry and can be excited by the 488, 532, and 561nm lasers on flow cytometers. **Ex_{max} =565nm, Em_{max} =578nm**.

PerCP is a dimmer fluorescent protein with a long stokes shift and narrow emission peak. It is not recommended for use with >25mW lasers due to photobleaching. **Ex_{max} 482nm, Em_{max} =678nm**.

PerCP-Cy5.5 is a tandem conjugate of PerCP and Cy5.5. It is the most stable and fixation resistant tandem. Unlike PerCP it is not subject to photobleaching. **Ex_{max} =482nm, Em_{max} =695nm**.

PE-Cy7 is a tandem conjugate of PE and Cy7. It is very bright but sensitive to photobleaching and prolonged fixation. It is not suitable for microscopy. **Ex_{max}=496nm, Em_{max}=785nm**.

Red (633/642nm)

APC is a very bright fluorescent protein. It is particularly useful for flow cytometry but is not suitable for microscopy. It should not be used with DyLight 650 based upon the similarity of their emission spectra. **Ex_{max} =651nm, Em_{max} =660nm**.

DyLight 680 is a red excitable far-red dye that replaces Alexa Fluor™ 680 and Alexa Fluor™ 700nm. **Ex_{max}= 682nm, Em_{max}=715nm**.

DyLight 755 is a suitable replacement to Alexa Fluor™ 750. Although this dye will produce dim emission when excited with the red laser on a flow cytometer, it is a suitable option for larger multicolor panels. **Ex_{max}=752nm, Em_{max}=778nm**.

APC-Cy7 is a tandem conjugate of APC and Cy7. It is particularly sensitive to light and extra care should be taken to avoid light exposure. It should not be used with DyLight 755. **Ex_{max}=651nm, Em_{max}=785nm**.

NOVUS BIOLOGICALS®

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