

CUSTOM ANTIBODY CONJUGATION SERVICES

**UNLOCK PRECISION
& FLEXIBILITY
FOR YOUR ASSAYS**

TIRED OF THESE HEADACHES?

- Inconsistent batch-to-batch conjugation ratios causing unreliable assay reproducibility
- Spectral overlap between fluorophores ruining multiplex panel performance
- Global supply chain delays disrupting timelines and experiment schedules

Fortis fixes it all. Take your immunoassays, imaging, and detection workflows to the next level with our custom antibody conjugation services. Whether you choose from our wide selection of labels (fluorophores, capture/detection reagents, enzymes) or provide us your own antibody, we deliver conjugates built to your specifications with the consistency and control your research demands.

Our experienced team supports your project at every stage, ensuring reliable performance from early development through commercial-scale production.



WHAT EVERY PROJECT DELIVERS:

- Expert guidance
- High-quality purification & sterile filtration
- QC, F/P ratio, & Certificate of Analysis

ENHANCE YOUR PROJECT WITH OPTIONAL SERVICES:

- Functional testing (ELISA, mIF, IHC, Flow)
- Custom data packages
- Scale up to commercial volumes

THE FORTIS ADVANTAGE:

- Over 50 years of antibody and protein conjugation experience
- Farm-to-bench control, ensures consistency, scalability, and reliability
- Wide variety of label options for flexibility

READY TO CONJUGATE?

Connect with us, choose your label, and move your research forward with confidence.

<https://www.fortislife.com/antibody-conjugation-services>

AVAILABLE CONJUGATION LABELS

Match the perfect label to your platform and keep your research moving forward.

Use this table to quickly compare excitation/emission profiles, laser/filter compatibility, closest equivalents across our full label portfolio (**fluorophores, enzymes, capture/detection reagents**).

CONJUGATE TYPE	CONJUGATES	EX / EM (NM)	SIMILAR DYES (RANK ORDERED)
Enzymes	Alkaline Phosphatase	-	-
	HRP	-	-
	Agarose	-	-
Capture & Detection Labels	Biotin	-	-
CONJUGATE TYPE	FLUORESCENT CONJUGATES	EX / EM (NM)	SIMILAR DYES (RANK ORDERED)
UV (300–379 nm)	DyLight®350	353 / 432	AMCA, AF350
	mFluor™UV460	358 / 456	BUV496, Marina Blue®, Cascade Blue®, AMCA, AF350
Violet (380–439 nm)	iFluor®405	403 / 427	AF405, Pacific Blue®, BV421
	mFluor™Violet 450	406 / 445	V450, Pacific Blue®
	mFluor™Violet 500	410 / 501	V500, Pacific Green®, AmCyan, ATTO® 465
Blue (440–509 nm)	iFluor®488	491 / 516	AF488, DL488, BB515
	Cy®2	492 / 508	iF488, DL488, BB515, FITC
	DyLight®488	493 / 518	AF488, iF488, BB515, Cy2
	AZDye488	494 / 517	AF488, DL488, FITC, OG488
	FITC	495 / 525	AF488, DL488, iF488, Cy2
	RPE*	565 / 576	iF555, mF570, DL550, AF555
Green/Yellow (510–599 nm)	mFluor™Blue 570	505 / 564	Cy3, AF555
	Cy®3	554 / 568	AF555, iF555, DL550, PE/RPE
	AZDye 555	555 / 572	Cy3, DL555, AF555
	iFluor®555	557 / 570	Cy3, AF555, DL550
	DyLight®550	562 / 576	Cy3, AF555, iF555
	RPE*	565 / 576	SB Yellow 561, NF Y570, eF570
	iFluor®594	588 / 604	AF594, Texas-Red®, DL594
	AZDye 594	588 / 604	AF594, CF594C, DL594
	DyLight®594	588 / 604	iF594, AF594, Texas Red®
	AZDye 647	649 / 666	Cy5, DL649
Red (600–729 nm)	Cy®5	649 / 670	AF647, iF647, DL650, APC
	DyLight®650	652 / 677	AF647, iF647, Cy5, APC
	iFluor®647	656 / 670	AF647, Cy5, DL650
	Cy®5.5	683 / 703	AF680, DL680, CF™-Cy5.5
	DyLight®680	692 / 712	AF680, Cy5.5, iF680, IRDye 680LT
NIR/IR (730+ nm)	DyLight®755	754 / 776	iF750, AF750, Cy7
	iFluor®750	755 / 779	DL755, AF750, Cy7
	mFluor™Red 780	629 / 767	APC-AF750, APC-R700, iF750
	DyLight®800	777 / 790	IRDye 800, AF790

*These dyes have two maximum excitation wavelengths. Both can be used; optimal excitation will depend on application.

Abbreviations: Alexa Fluor® (AF), 7-Amino-4-Methylcoumarin-3-Acetic Acid (AMCA), Allophycocyanin (APC), Brilliant Blue (BB), Brilliant Violet (BV), BD Horizon™ BUV496 (BUV496), Cyanine (Cy®), DyLight® (DL), eFluor™ (eF), Fluorescein Isothiocyanate (FITC), Horseradish Peroxidase (HRP), iFluor® (iF), Infrared (IR), mFluor™ (mF), Near-Infrared (NIR), NovaFluor™ (NF), R-Phycoerythrin (RPE), StarBright™ (SB), Ultra-Violet (UV), BD Horizon™ V500 (V500), IZON V500 (V500).

Not sure which label fits your workflow? Our team guides you forward, covering fluorophores for optimal spectral compatibility and brightness, capture/detection labels for precise binding, and enzymes for robust signal amplification.



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