

**Fast and reliable conjugation ?**



## LinKine™ Labeling Kits



Total solutions for proteins and antibodies labeling with enzymes, fluorescence and featured AbFluor dyes.

LinKine™ Labeling Kits, containing everything you need to produce covalently and directly labeled antibodies, proteins and peptides quickly and easily. It only takes 3 simple steps and 30 seconds hands-on time to obtain high quality and covalent conjugates.

Labeled antibodies are compatible with various immunological applications including flow cytometry, western blotting, and immunofluorescence microscope, so you can validate your results through multiple platforms using the same antibody.

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### ■ Protein or Enzyme conjugates

HRP, AP, Biotin, Biotin-XX, BSA, KLH

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### ■ Fluorescent conjugates

FITC, TRITC, Cy3, Cy5, Cy7

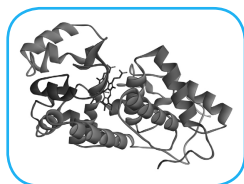
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### ■ AbFluor™ Fluorescent conjugates

AbFluor™ 350, 405, 488, 555, 594, 647, 680, 770 ...

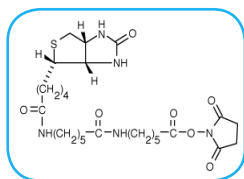
## LinKine™ Labeling Kits for Protein or Enzyme conjugates

LinKine™ Labeling Kits provide fast conjugation of biomolecules (antibodies, proteins and peptides, etc.) with proteins or enzymes, including HRP, AP, Biotin, Biotin-XX, BSA, KLH, which is based on available amine groups. Directly labeled primary antibodies are advantageous as they eliminate the need for secondary reagents in immunoassay procedures, thus removing a tedious extra cycle of incubation and wash steps in applications such as ELISA and Western blotting. Abbkine LinKine™ Labeling Kits can offer many sizes for you to meet your diverse demands.



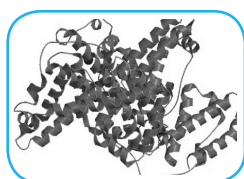
### LinKine™ HRP Labeling Kit

LinKine™ HRP Labeling Kit is designed for preparing HRP conjugates directly from proteins, peptides, and other ligands which contain free amino groups. The HRP provided in our kit has been pre-activated, and is sufficient to conjugate from 15 µg to 3 mg antibody samples per reaction.



### LinKine™ Biotin/Biotin-XX Labeling Kit

Comparing with Biotin, the amine-reactive Biotin-XX has a spacer with 14 atoms designated by "XX" to facilitate reactivity with the molecule and eventual accessibility of the biotin to avidin or streptavidin. LinKine™ Biotin or Biotin-XX Labeling Kit contains all ready-to-use components for fast conjugation.



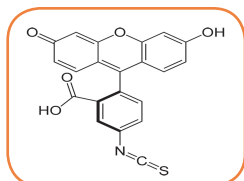
### LinKine™ BSA Labeling Kit

Molecules with low molecular weight (haptens), are often not sufficiently immunogenic to elicit an immune response alone. BSA is a popular immunogenic carrier protein used for preparation of peptide antigens for immunization and antibody production. LinKine™ BSA Labeling Kit provides pre-activated BSA, eliminating the need for time-consuming activation and purification steps of the carrier proteins.

Product Name	Cat. No.	Size
LinKine™ HRP Labeling Kit	KTL0100	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg
LinKine™ Biotin Labeling Kit	KTL0120	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg
LinKine™ Biotin-XX Labeling Kit	KTL0125	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg

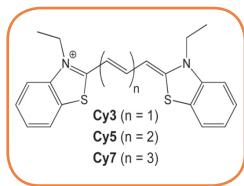
## LinKine™ Labeling Kits for Fluorescent conjugates

LinKine™ Labeling kits for fluorescence conjugates provide an easy way to label the ligands (proteins, peptides, antibodies) with fluorescent dyes, including FITC, TRITC, Cy3, Cy5, Cy7. The kit provides all of the reagents necessary to perform three simple labeling reactions, realizing quick and efficient coupling. Labeled antibodies can be used for ELISA, western blot, Immunohistochemistry, Immunofluorescence, and so on.



### LinKine™ FITC Labeling Kit

Fluorescein isothiocyanate (FITC) is still the most popular fluorescent labeling dye for preparing green fluorescent bioconjugates. LinKine™ FITC Labeling Kit only requires 3 simple mixing steps to finish the conjugation. The kit provides all the essential components for labeling 30 µg~1.5 mg antibody, also an optimized option for labeling 60 µg~1 mg antibody.

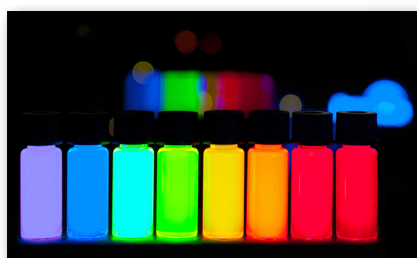


## LinKine™ Cy<sup>®</sup> dyes Labeling Kits

Cyanines(Cy) replace advantageously conventional dyes such as Fluorescein(FITC) and rhodamines (TRITC, RRX), yielding brighter and more stable fluorescence. Cy3 and Cy5 are the most popular, used typically combined for 2 colors detection. LinKine™ Cy3 Labeling Kit is one of the most robust labeling kits for preparing Cy3-labeled antibody conjugates or other protein conjugates.

Product Name	Cat. No.	Size
LinKine™ FITC Labeling Kit	KTL0210	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg
LinKine™ Cy3 Labeling Kit	KTL0220	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg

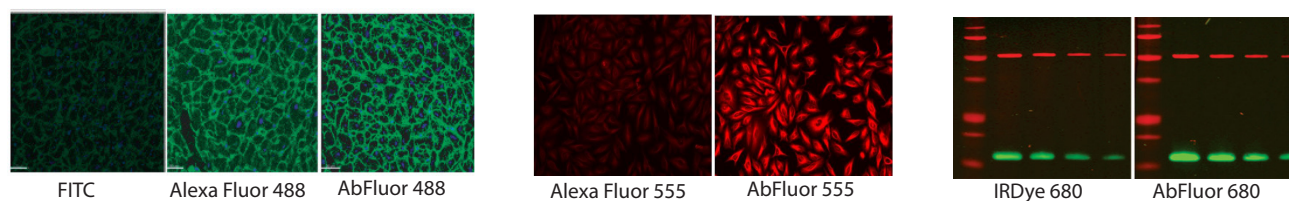
## AbFluor™ - The next generation of Fluorescent dyes



AbFluor™ dyes are a series of highly water-soluble fluorescent dyes spanning full UV-visible and near-infrared spectrum for labeling biomolecules, especially proteins and nucleic acids. Their hydrophilic property makes the protein conjugation readily performed in aqueous media, minimizing the use of organic solvents. AbFluor™ dyes not only have much better labeling performance than other fluorescent labeling dyes such as FITC, TRITC, Cy<sup>®</sup> dyes, Alexa Fluor<sup>®</sup> and Dylight<sup>®</sup> labeling dyes, but also far more stable than the antibodies or other biomolecules they label.

### Super fluorescence performance

Innovative modifications to the core structure makes AbFluor™ dyes superior to other commercial dyes with many innovative novel features, including higher fluorescence brightness, improved photostability, broader pH range tolerance, better permeability and lower background. As the 3<sup>rd</sup> generation of fluorescent dyes, AbFluor™ dyes performed not only better than other traditional dyes, such as FITC, TRITC and Cy<sup>®</sup> dyes, but also exceed the quality of other 2<sup>nd</sup> generation commercial dyes, such as Alexa Fluor<sup>®</sup>, Dylight<sup>®</sup> and IRDye<sup>®</sup> dyes.

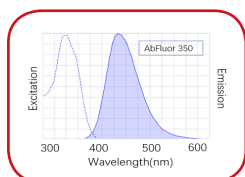


### Perfect features

- ✓ AbFluor™ dyes have excellent chemical structures, stable reactive group, with good photostability, ensuring the stability and high labeling efficiency of bioconjugation.
- ✓ Highly water soluble (>100 mg/mL), minimizing fluorescence quenching. Also very soluble in other polar solvents, such as DMSO, DMF, methanol and ethanol.
- ✓ Broad fluorescence spectrum ranging from UV-visible to near-infrared, satisfying the demands of most researchers.
- ✓ Good PH tolerance, which are chemically stable within the pH range of almost 2 –11.

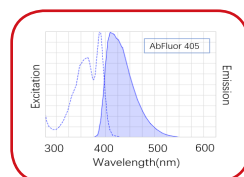
## LinKine™ Labeling Kits for AbFluor™ Fluorescent dyes

LinKine™ Labeling Kits for AbFluor™ fluorescence dyes provide a convenient method to label antibodies, proteins or peptides, containing everything you need to perform simple labeling reactions as well as to purify the resulting conjugates, with a wide selection of colors and functional groups for you to choosing. Conjugates are ideal for multiple applications, including flow cytometry, fluorescence microscopy, immunohistochemistry, ELISAs, immunocytochemistry, and more.



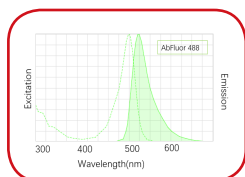
### AbFluor™ 350

AbFluor™ 350 is a bright UV-excitable blue fluorescent dye which is super alternative to AMCA, Dylight 359 and Alexa Fluor 350.



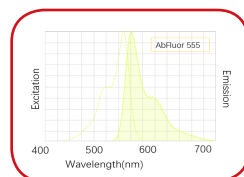
### AbFluor™ 405

AbFluor™ 405 is super alternative to DyLight 405, Cascade Blue® dye and Alexa Fluor 405.



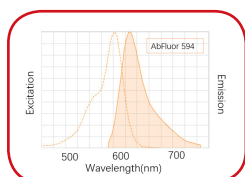
### AbFluor™ 488

AbFluor™ 488 is a green fluorescent dye optimally excitable by the 488 nm argon laser line, which is super alternative to FITC, Alexa Fluor 488.



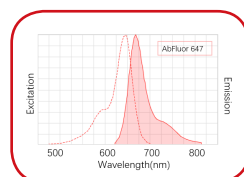
### AbFluor™ 555

AbFluor™ 555 is a bright and photostable fluorescent dye which is super alternative to TRITC, Cy3 and Alexa Fluor 555.



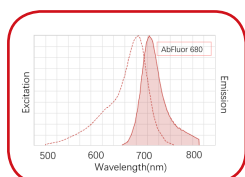
### AbFluor™ 594

AbFluor™ 594 is the brightest deep red dye which is super alternative to Texas Red Dye, DyLight 594 and Alexa Fluor 594.



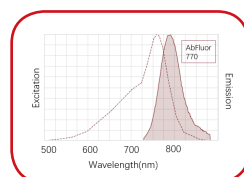
### AbFluor™ 647

AbFluor™ 647 is a far-red fluorescent dye which is super alternative to Alexa Fluor 647, Cy5 and DyLight 649.



### AbFluor™ 680

AbFluor™ 680 is an outstanding 680 nm-excitable dye which is super alternative to Cy5.5, Dylight 680 and Alexa Fluor 680.



### AbFluor™ 770

AbFluor™ 770 is an unrivaled near-infrared dye with the  $\lambda_{Ex}/\lambda_{Em}$  of 770/797 nm, which is super alternative to DyLight 800.

Product Name	Cat. No.	Size
LinKine™ AbFluor 350 Labeling Kit	KTL0500	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg
LinKine™ AbFluor 405 Labeling Kit	KTL0510	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg
LinKine™ AbFluor 488 Labeling Kit	KTL0520	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg
LinKine™ AbFluor 555 Labeling Kit	KTL0530	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg
LinKine™ AbFluor 594 Labeling Kit	KTL0540	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg
LinKine™ AbFluor 647 Labeling Kit	KTL0560	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg
LinKine™ AbFluor 680 Labeling Kit	KTL0580	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg
LinKine™ AbFluor 770 Labeling Kit	KTL0590	3 x 20 µg, 100 µg, 3 x 100 µg, 1 mg

Abbkine now provides professional coupling service for researchers, and more Abbkine LinKine™ Labeling kits will be coming soon, you can expect them!

For more information, visit Abbkine Scientific: <https://www.abbkine.com>  
Tel: +86-27-59716789 | Fax: +86-27-59716788 | Email: [service@abbkine.com](mailto:service@abbkine.com)

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