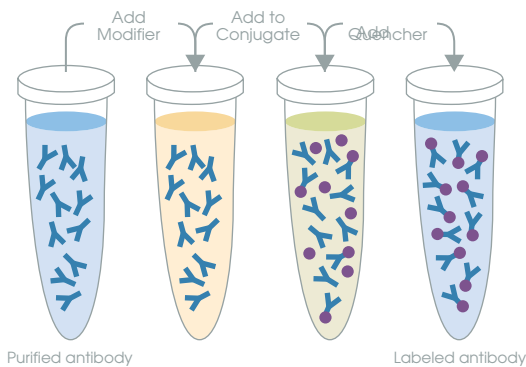


Lightning-Link® Antibody, Protein & Peptide Conjugation Kits

Take advantage of Lightning-Link® conjugation kits to quickly conjugate the included label to your antibody, protein or peptide in as little as 20 minutes, giving you 100% antibody recovery in a wide range of applications, including FACS, ELISA, IHC, WB and Lateral flow.

Lightning-Link® Conjugation Kits are quick and easy to use.

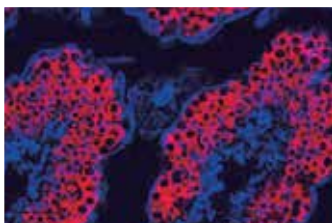
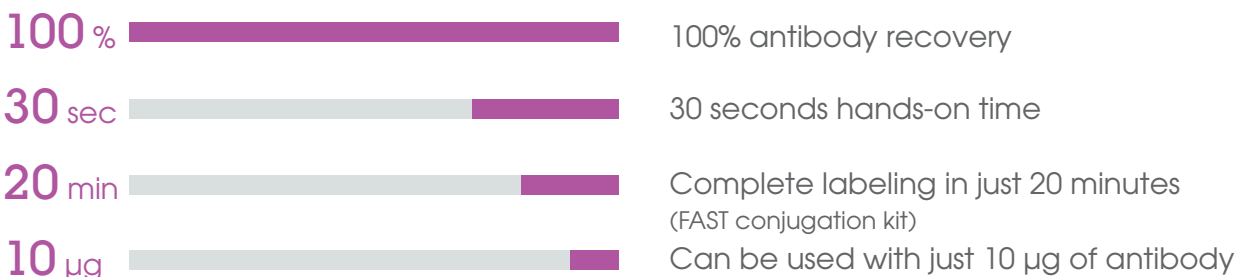


Step 1: Add Modifier reagent to purified antibodies

Step 2: Add step 1 mixture to Conjugation Mix vial

Step 3: Add Quencher reagent. Antibodies are labeled and ready for use (do not require further purification).

Antibody conjugation kit advantages



DyLight® 550 Conjugation Kit (Fast) - Lightning-Link® (ab201800)



Fluorescent labels

Conjugate	Ex/Em	Cat. No.	Size
Dylight® 405 (Fast)	■ 400/420	ab201798	Ⓐ
Dylight® 350 (Fast)	■ 353/432	ab201797	Ⓐ
AMCA (Fast)	■ 350/445	ab195224	Ⓐ
Atto 390	■ 388/468	ab269895	Ⓒ
Dylight® 488 (Fast)	■ 493/518	ab201799	Ⓐ
Alexa Fluor® 488	■ 495/519	ab236553	Ⓐ
FITC (Fast)	■ 495/519	ab188285	Ⓐ
FITC	■ 495/519	ab102884	Ⓐ
Atto 488	■ 504/530	ab269896	Ⓐ
Cy3® (Fast)	■ 548/561	ab188287	Ⓐ
Alexa Fluor® 555	■ 555/565	ab269820	Ⓐ
B-PE	■ 546/575	ab102871	Ⓔ
R-PE	■ 565/575	ab102918	Ⓕ
Dylight® 550 (Fast)	■ 562/576	ab201800	Ⓐ
Rhodamine (Fast)	■ 561/588	ab188286	Ⓐ
Atto 565	■ 570/598	ab269897	Ⓒ
Alexa Fluor® 568	■ 578/603	ab269821	Ⓐ
Texas Red® (Fast)	■ 595/613	ab195225	Ⓐ
PE/Texas Red	■ 565/616	ab269899	Ⓔ
Alexa Fluor® 594	■ 590/617	ab269822	Ⓐ
Dylight® 594 (Fast)	■ 593/618	ab201801	Ⓐ
PE/Atto 594	■ 565/632	ab269900	Ⓔ
Dylight® 633 (Fast)	■ 638/658	ab201802	Ⓐ
Atto 633	■ 634/660	ab269898	Ⓐ
APC	■ 650/660	ab201807	Ⓐ
Cy5® (Fast)	■ 647/665	ab188288	Ⓐ
Alexa Fluor® 647	■ 650/665	ab269823	Ⓐ
PE/Cy5®	■ 565/666	ab102893	Ⓔ
Dylight® 650 (Fast)	■ 654/673	ab201803	Ⓐ
PerCP	■ 477/678	ab102907	Ⓐ
FluoProbes 647H	■ 650/684	ab269904	Ⓐ
PE/Cy5.5®	■ 565/693	ab102899	Ⓔ
PerCP/Cy5.5®	■ 477/694	ab102911	Ⓐ
APC/Cy5.5®	■ 650/694	ab102855	Ⓐ
Cy5.5	■ 675/694	ab269891	Ⓒ
Dylight® 680 (Fast)	■ 692/712	ab201804	Ⓐ
Alexa Fluor® 700	■ 702/723	ab269824	Ⓔ
APC/Cy7®	■ 650/774	ab102859	Ⓐ
Dylight® 755 (Fast)	■ 754/776	ab201805	Ⓐ
PE/Cy7®	■ 565/778	ab102903	Ⓔ
Dylight® 800 (Fast)	■ 777/794	ab201806	Ⓐ



Enzyme labels

Conjugate	Cat. No.	Size
Alkaline phosphatase (AP)	ab102850	Ⓐ
Alkaline phosphatase (AP) (Animal Free)	ab269901	Ⓐ
Glucose oxidase (GOx)	ab102887	Ⓔ
Horse radish peroxidase (HRP)	ab102890	Ⓒ



Biotin/Streptavidin/Oligo labels

Conjugate	Cat. No.	Size
Biotin (Fast, Type A)	ab201795	Ⓐ
Biotin (Fast, Type B)	ab201796	Ⓐ
Streptavidin	ab102921	Ⓐ
Oligonucleotide (10~120 nt in length)	ab218260	Ⓐ



Gold nano-particle labels

Conjugate	Cat. No.	Size
Gold nanoparticles (10 nm, 20 OD)	ab201808	Ⓔ
Gold nanoparticles (20 nm, 20 OD)	ab188215	Ⓔ
Gold nanoparticles (40 nm, 20 OD)	ab154873	Ⓔ
Gold nanoparticles (60 nm, 20 OD)	ab188216	Ⓔ
Gold nanoparticles (80 nm, 20 OD)	ab154876	Ⓔ
Gold-Biotin nanoparticle (40 nm, 10 OD)	ab186922	Ⓔ
Gold-Hydrazide nanoparticles (40 nm, 10 OD)	ab188284	Ⓔ
Gold-Maleimide nanoparticles (10 nm)	ab269903	Ⓔ
Gold-Maleimide nanoparticles (20 nm)	ab269902	Ⓔ
Gold-Oligonucleotide nanoparticles (40 nm, 20 OD)	ab188290*	Ⓔ
Gold-Streptavidin nanoparticles (40 nm, 10 OD)	ab186864	Ⓔ

*Conjugate Gold nanoparticles to oligonucleotide (10~120 nt in length).



Latex particle labels

Conjugate	Cat. No.	Size
Latex nanoparticles (400nm Black)	ab269894	Ⓔ
Latex nanoparticles (400nm Black)	ab269963	Ⓔ
Latex nanoparticles (400nm Blue)	ab269892	Ⓔ
Latex nanoparticles (400nm Blue)	ab269947	Ⓔ
Latex nanoparticles (400nm Red)	ab269893	Ⓔ
Latex nanoparticles (400nm Red)	ab269962	Ⓔ

Pack size

Ⓐ 30 µg, 100 µg, 300 µg, 1 mg

Ⓔ 30 µg, 60 µg, 180 µg, 600 µg

Ⓒ 30 µg, 100 µg, 300 µg

Ⓕ 30 µg, 60 µg, 180 µg, 600 µg, 3 mg

Ⓔ 60 µg, 180 µg, 600 µg

Ⓒ 30 µg, 300 µg, 1 mg

Ⓔ 30 µg, 100 µg, 300 µg, 1 mg, 5 mg

Ⓔ 1 test, 3 tests, 10 tests

Ⓔ 1 test

Magnetic bead labels

Conjugate	Cat. No.	Size
Magnetic particles (500 nm)	ab269890	⊙
Magnetic particles (500 nm)	ab236552	⊕

Lanthanide metallic labels

Conjugate	Cat. No.	Size
141Pr	ab269826	⊙
142Nd	ab269827	⊙
143Nd	ab269828	⊙
144Nd	ab269829	⊙
146Nd	ab269830	⊙
147Sm	ab269831	⊙
148Nd	ab269832	⊙
149Sm	ab269833	⊙
151Eu	ab269834	⊙
152Sm	ab269835	⊙
153Eu	ab269836	⊙
154Sm	ab269837	⊙
156Gd	ab269838	⊙
158Gd	ab269839	⊙
159Tb	ab269840	⊙
160Gd	ab269841	⊙
164Dy	ab269843	⊙
165Ho	ab269844	⊙
166Er	ab269845	⊙
167Er	ab269846	⊙
168Er	ab269847	⊙
169Tm	ab269848	⊙
170Er	ab269849	⊙
171Yb	ab269850	⊙
172Yb	ab269851	⊙
174Yb	ab269852	⊙
175Lu	ab269853	⊙
176Yb	ab269854	⊙

Time-Resolved Fluorescence (TRF) chelate labels

Conjugate	Cat. No.	Size
Europium chelate microspheres (200 nm)	ab269889	⊕
Europium chelate microspheres (200 nm)	ab269946	⊕

Antibody purification kit

Conjugate	Cat. No.	Size
Antibody Purification Kit (Protein A)	ab102784	⊙
Antibody Purification Kit (Protein G)	ab128747	⊙
Antibody Serum Purification Kit (Protein A)	ab109209	⊙
Antibody TCS Purification Kit	ab109207	⊙
BSA Removal Kit (up to 1.25 ml antibody with 0.5% BSA)	ab173231	⊕
GOLD antibody purification kit	ab204909	⊙
GOLD BSA removal kit	ab204912	⊕
GOLD mouse antibody purification kit	ab204910	⊙
Mouse Antibody Purification Kit	ab128745	⊙
Mouse TCS Purification System	ab128749	⊙
Serum Antibody Purification Kit (Protein G)	ab128751	⊙

Antibody concentration kit

Conjugate	Cat. No.	Size
Antibody Concentration and Clean Up Kit for Latex & Europium	ab269965	⊙
Antibody Concentration Kit (3 columns)	ab102778	⊕
GOLD antibody concentration kit	ab204911	⊕

Pack size

⊙ 200 µl, 1 ml	⊕ 16 µg (4 vials x 4 µg), 40 µg (10 vials x 4 µg)	⊕ 200 µg (1 vial)	⊙ 4 units
⊙ 1 test, 3 tests	⊕ 40 µg (1 vial)	⊙ 10 µg, 100 µg	⊕ 3 units
⊙ 120 µl, 400 µl	⊙ 60 µg (20 µg x 3 vials), 200 µg (20 µg x 10 vials)	⊕ 1 ml	⊕ 3 tests

5' Feature Barcode Antibody Conjugation Kit - Lightning-Link®

Enabling cell surface protein analysis in Multiomic Cytometry on 10x Genomics Chromium Controller

- Allow making custom conjugates to compliment or create panels for Chromium Single Cell Immune Profiling
- Simple protocol: no conjugation expertise needed, minimum hands-on time
- No need to source oligos
- Free oligo clean-up steps included
- Stable conjugates: amine-based conjugation, covalent binding
- Range of 3 sets of 10 distinct oligonucleotide barcodes available (Oligos 1-10, 11-20 & 21-30) for up to 30 custom conjugates*
- 10 x 10 µg kits in catalog, and 5 x 100 µg pick & mix kits available on demand

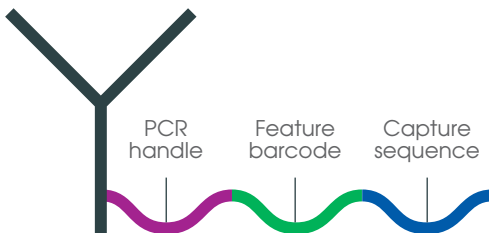


Fig 1. Antibody conjugate and oligonucleotide barcode format for Chromium Single Cell Immune Profiling from 10x Genomics

Multiomic Cytometry 5' - Single Cell Immune Profiling solution

5' Feature Barcode Antibody Conjugation Kit - Lightning-Link® - Oligos 1-10 (ab270703)

5' Feature Barcode Antibody Conjugation Kit - Lightning-Link® - Oligos 11-20 (ab270705)

5' Feature Barcode Antibody Conjugation Kit - Lightning-Link® - Oligos 21-30 (ab270709)

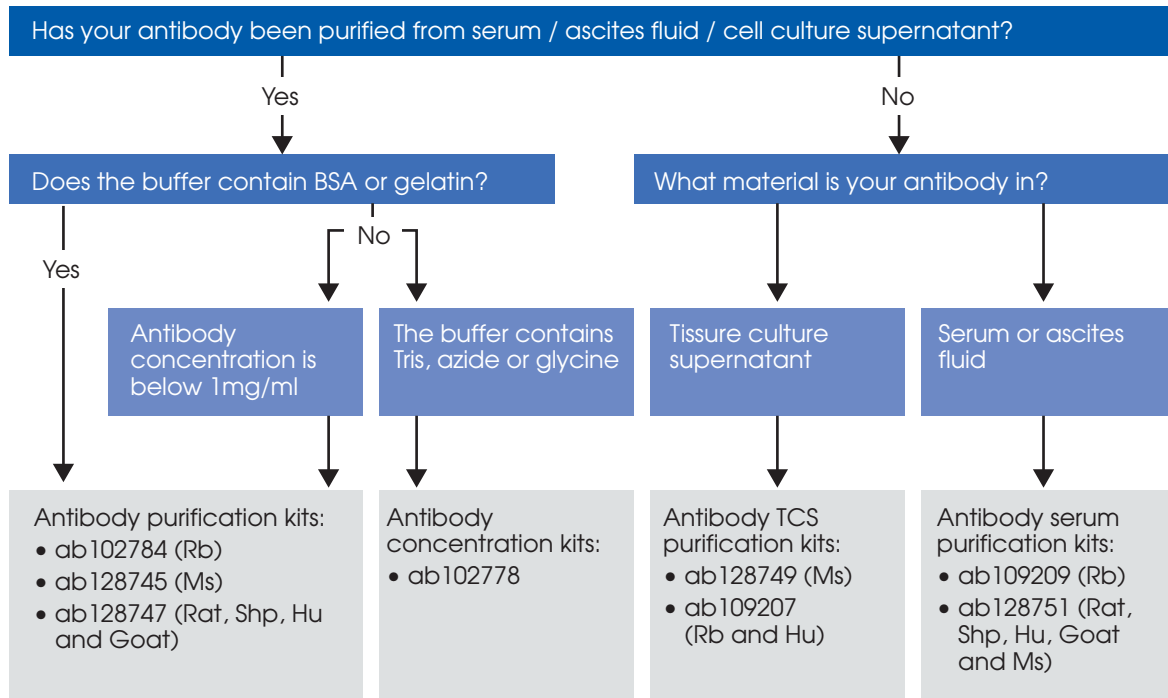
Oligonucleotide Conjugation Kit (ab218260)

Multiomic Cytometry 3' - Single Cell Gene Expression solution

Oligonucleotide Conjugation Kit (ab218260)

Antibody purification and concentration kits selection guide

Before conjugation, you may purify your antibodies from unwanted buffer constituents (e.g., BSA), cell culture supernatant, serum or ascites fluid, and concentrate them.



*Goat: goat; Hu: human; Ms: mouse; Rat: rat; Rb: rabbit; Shp: sheep

Carrier-free recombinant RabMAb® antibodies for efficient conjugation

- BSA-free, sodium azide-free, glycerol-free: to achieve consistent conjugation
- 1 mg/ml: no need to concentrate, ready to be conjugated
- Purified IgG: to increase conjugation yield
- Recombinant: highest level of consistency between batches
- Suitable for developing multiplex technologies such as flow-based assays (e.g. CyTOF®) or multiplex IHC (e.g. Imaging Mass Cytometry™ (IMC™), Cyclic Immunofluorescence (CyclIF)).

abcam



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web: www.fisherbiotec.com



Primary & secondary antibodies



Bioactive proteins



KO cell lines & lysates



ELISA kits, IHC/ICC kits



Cellular assays



Buffers and ancillary reagents



Custom services