

# FlexAble<sup>2.0</sup>

## Antibody Labeling Kits

Any antibody. Any color. Any time.



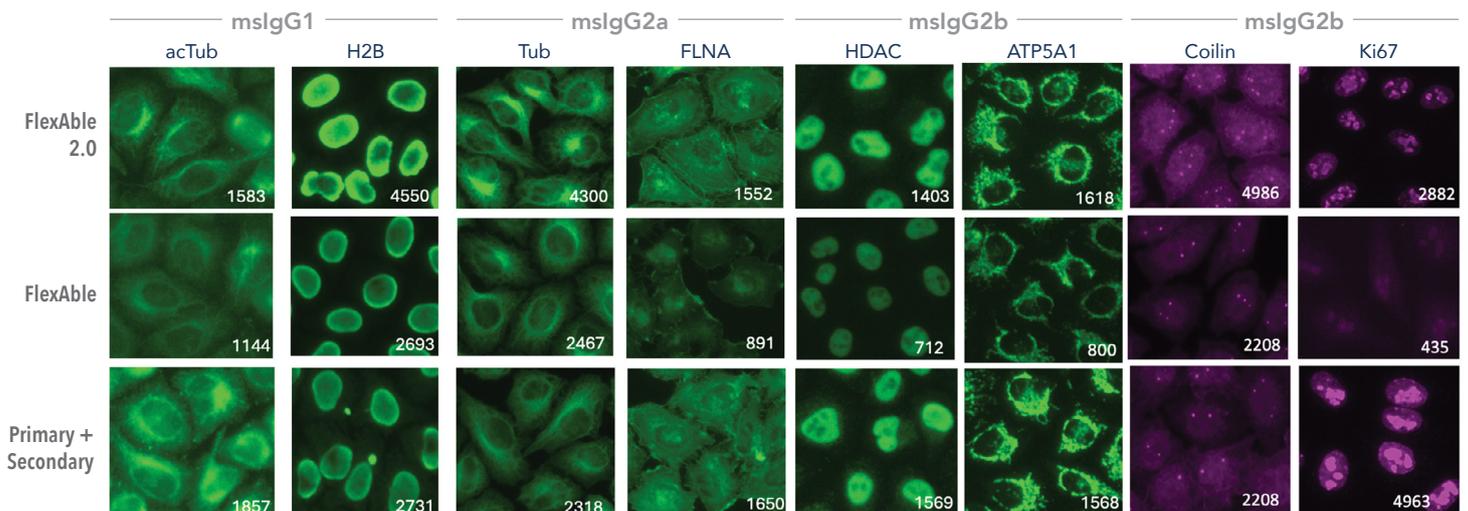
Learn more

Our new FlexAble 2.0 Kits allow you to quickly and easily label antibodies with even more dyes for brighter signal in fluorescence applications.

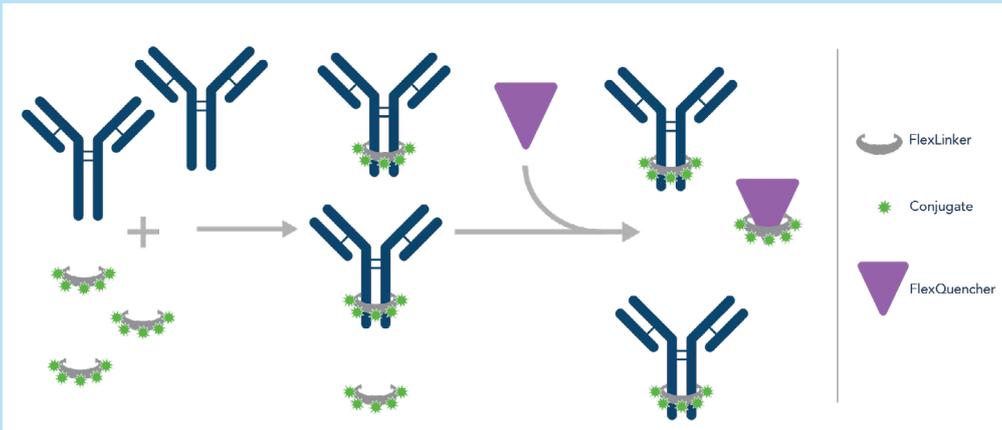
### FlexAble 2.0 Antibody Labeling Kits

- ✓ Are compatible with antibodies from any supplier
- ✓ Do not require antibody purification or labeling before or after labeling
- ✓ Work with any antibody concentration and formulation
- ✓ Label antibodies in a site-specific manner with a consistent degree of labeling
- ✓ Label antibodies in the presence of BSA and glycerol
- ✓ Can label as little as 0.5 µg of antibody and scale up to fit your needs

### See the difference with FlexAble 2.0



▲ Eight different mouse and rabbit antibodies from a variety of IgG subclasses were labeled with the original FlexAble kits, new FlexAble 2.0, or as a primary and secondary antibody combination. Pictures in green are CoraLite® Plus 488 and pictures in magenta are CoraLite® Plus 647 versions of FlexAble or secondary antibody. The mean fluorescent intensity is shown in white text to compare the relative signal of each method.



Antibody labeling with FlexAble is achieved using a high-affinity, non-covalent FlexLinker, which tightly binds to the antibody within minutes. Unbound FlexLinker is neutralized by adding a FlexQuencher. The labeling reaction yields a homogenous, well-defined, fully functional antibody without aggregation or loss of material.

## FLEXABLE 2.0 SPECIES AND FLUOROPHORE COVERAGE

Rabbit IgG	Human IgG	Mouse IgG1	Mouse IgG2a	Mouse IgG2b	Rat kappa LC
CoraLite <sup>®</sup> Plus 405					
CoraLite <sup>®</sup> Plus 488					
FITC Plus					
CoraLite <sup>®</sup> Plus 555					
CoraLite <sup>®</sup> Plus 594					
CoraLite <sup>®</sup> Plus 647					
CoraLite <sup>®</sup> Plus 750					

Enzyme-conjugated FlexAble Kits are available in the original FlexAble Format

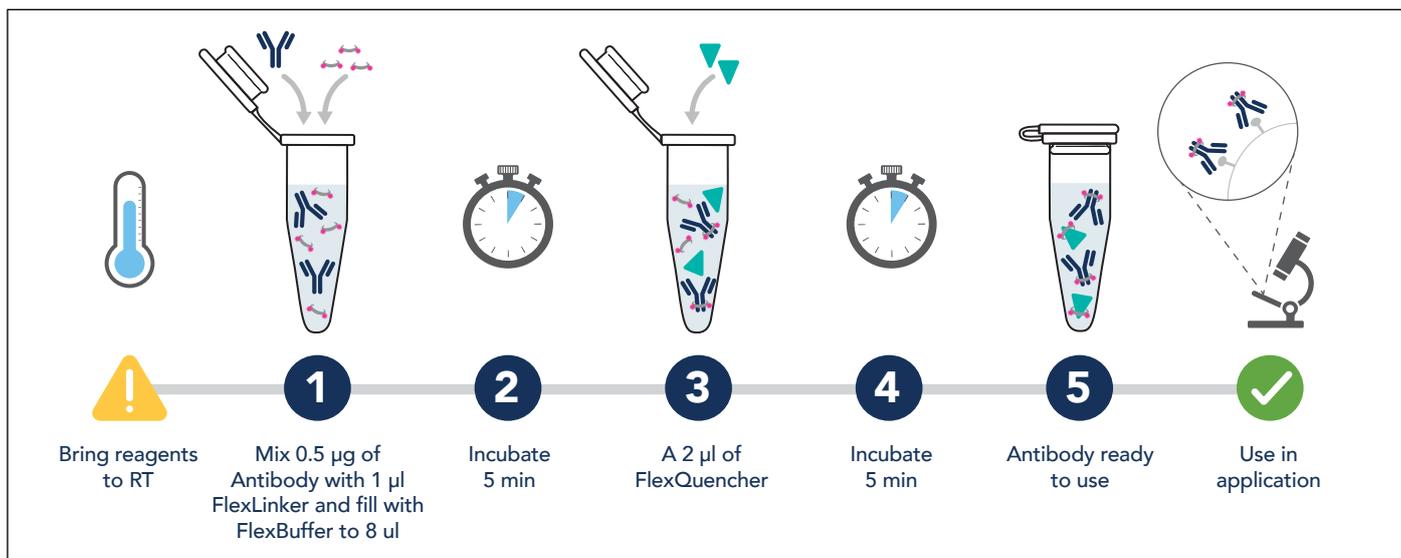
Biotin	Biotin	Biotin	Biotin	Biotin	Biotin
HRP	HRP	HRP	HRP	HRP	HRP

### Buffer compatibility

PBS	Tris	Glycerol (≤ 50%)	BSA (≤ 1%)	FCS (≤ 5%)	EDTA (≤ 5mM)	FACS Buffer
✓	✓	✓	✓	✓	✓	✓

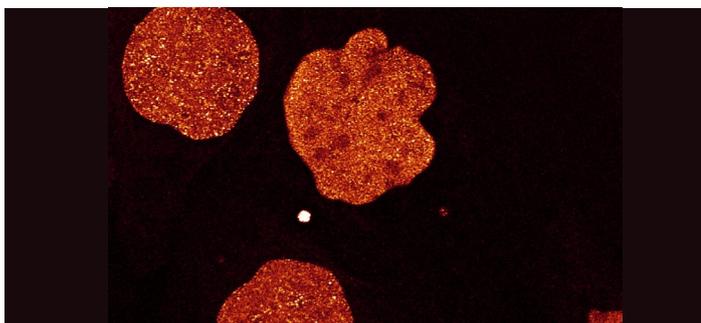
# A protocol that can easily be integrated into your workflow

Minimal preparation | Minimal hands-on time | No Purification



**Example 1:** PTG antibody:  $c = 0.5 \mu\text{g}/\mu\text{l}$   $1 \mu\text{l} = 0.5 \mu\text{g}$  (1 reaction). Add 1 µl of FlexLinker to 1 µl of Antibody and add 8 µl of FlexBuffer → Incubate → Add FlexQuencher → Incubate → Use

**Example 2:** Random antibody:  $c = 0.1 \mu\text{g}/\mu\text{l}$   $5 \mu\text{l} = 0.5 \mu\text{g}$  (1 reaction). Add 1 µl of FlexLinker to 5 µl of Antibody and add 4 µl of FlexBuffer → Incubate → Add FlexQuencher → Incubate → Use

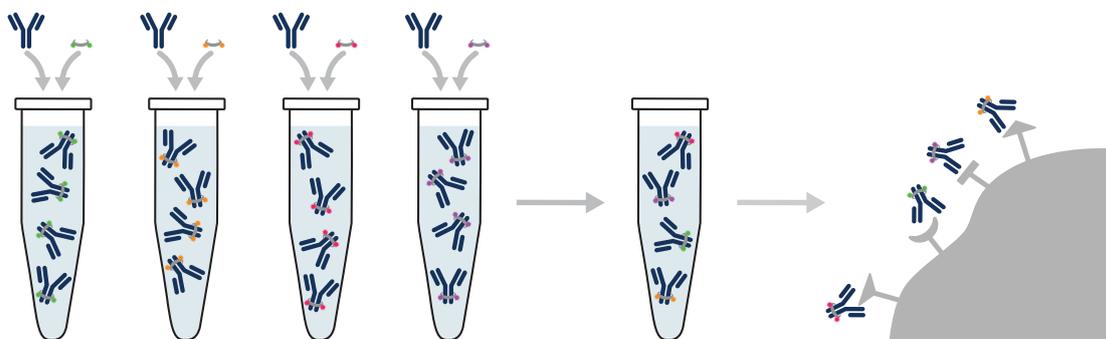


## Singleplex Immunofluorescence

PFA-fixed and permeabilized A431 cells were stained with rat anti-RPA32 antibody labeled with FlexAble 2.0 CoraLite® Plus 555 Kit (KFA622, orange). Confocal images were acquired with a 63x oil objective and post-processed.

## Multiplexing – made easy. Same species multiplexing? No problem!

Our highly subtype specific FlexLinkers enable you to do same species multiplexing

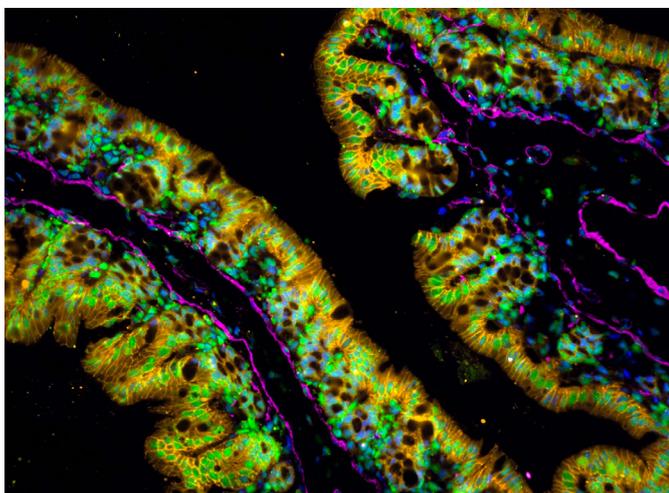


Using FlexAble kits, label four antibodies from the same species individually

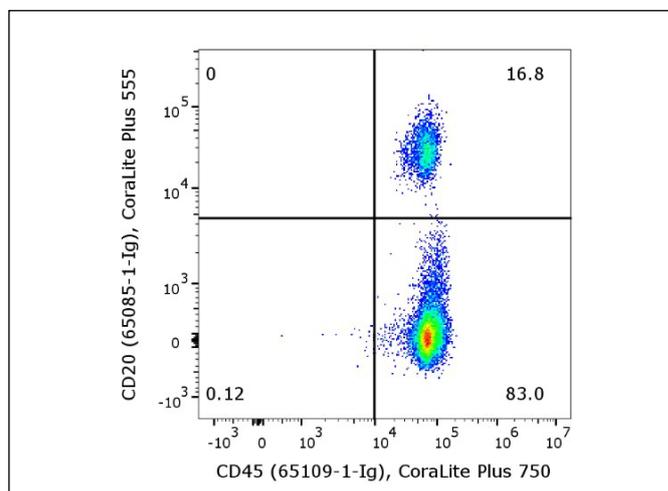
Mix labeled antibodies together

Labeled antibodies are now ready to use

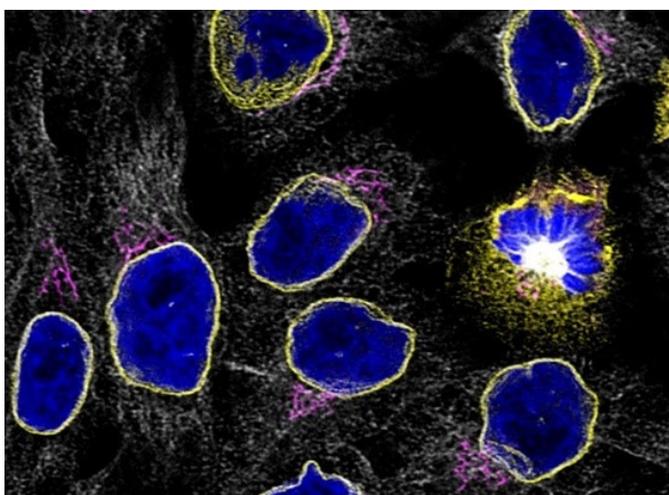
FlexAble 2.0 has been developed to accommodate more dyes per FlexLinker resulting in a higher degree of labeling for antibodies.



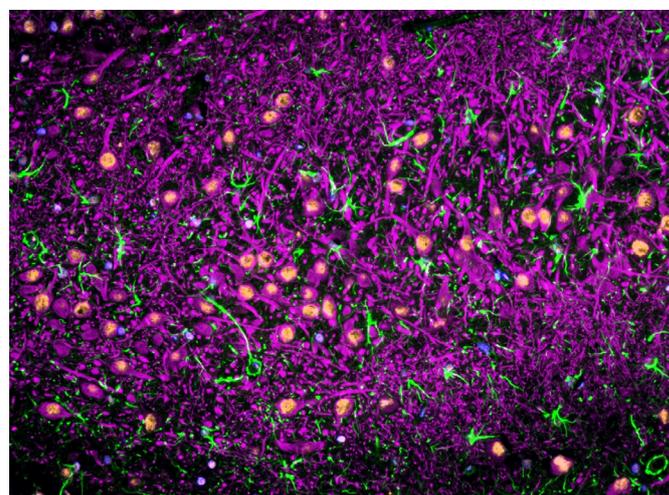
▲ Immunofluorescence of Mouse colon: FFPE Mouse colon sections were stained with anti-FUS (11570-1-AP) labeled with FlexAble 2.0 CoraLite<sup>®</sup> Plus 488 Kit (KFA501, green), anti- $\alpha$ -SMA (67735-1-Ig) labeled with FlexAble 2.0 CoraLite<sup>®</sup> Plus 647 Kit (KFA523, magenta), anti-E-cadherin (60335-1-Ig) labeled with FlexAble 2.0 CoraLite<sup>®</sup> Plus 555 Kit (KFA562, orange) and DAPI (blue).



▲  $1 \times 10^6$  human PBMCs were surface co-stained with CoraLite<sup>®</sup> Plus 488 Anti-Human CD3 (CL488-65151, Clone:UCHT1), and Anti-Human CD4 (65143-1-Ig, Clone:RPA-T4) labeled with FlexAble 2.0 CoraLite<sup>®</sup> Plus 750 Kit (KFA524). Cells were not fixed. Lymphocytes were gated.



▲ Immunofluorescence of HeLa cells: PFA-fixed cells were stained with rabbit IgG anti-Lamin antibody (12987-1-AP) labeled with FlexAble 2.0 CoraLite<sup>®</sup> Plus 555 Kit (KFA502, yellow), rabbit IgG anti-GM130 antibody (11308-1-AP) labeled with FlexAble 2.0 CoraLite<sup>®</sup> Plus 647 Kit (KFA503, magenta) and rabbit IgG anti-Tubulin antibody (80713-1-RR) labeled with FlexAble 2.0 CoraLite<sup>®</sup> Plus 750 Kit (KFA504, grey). Cell nuclei were stained with DAPI (blue). Confocal images were acquired with a 63x oil objective and post-processed. Images were recorded at the Core Facility Bioimaging at the Biomedical Center, LMU Munich.



▲ Immunofluorescence of Rat brain: FFPE Rat brain sections were stained with anti-MAP2 (17490-1-AP) labeled with FlexAble 2.0 CoraLite<sup>®</sup> Plus 647 Kit (KFA503, magenta), anti-GFAP (60190-1-Ig) labeled with FlexAble 2.0 CoraLite<sup>®</sup> Plus 488 Kit (KFA541, green), anti-TDP-43 (67345-1-Ig) labeled with FlexAble 2.0 CoraLite<sup>®</sup> Plus 555 Kit (KFA542, orange) and DAPI (blue)