

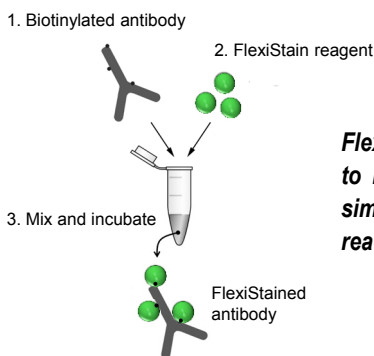
# Flexi Stain™



- **Fast** – In solution, label biotinylated antibodies with fluorochromes in less than 5 min. No washes.
- **Flexible** – Tailor each stain. Efficiently label as little as 0,1 µg biotinylated antibody with no antibody loss.
- **Multiplexing** – Immunostain with multiple biotinylated antibodies of any animal species. No cross reactions.

## Instant antibody conjugation

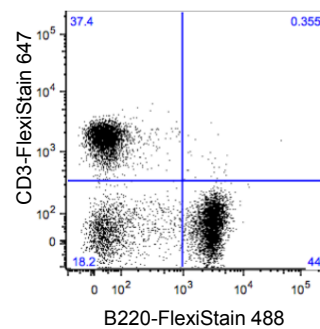
FlexiStain is a streptavidin-based labeling reagent that attaches fluorochromes to biotinylated antibodies in solution in less than 5 minutes. The firm binding of FlexiStain to biotin makes the antibody complex stable. In contrast to standard streptavidin, the FlexiStain streptavidin is monovalent and does not form aggregates when pre-mixed with biotinylated antibodies.



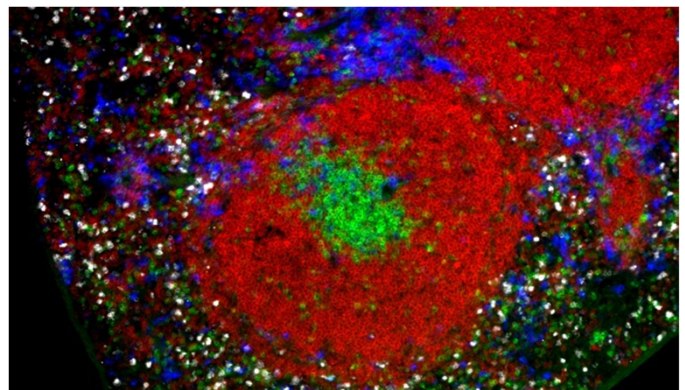
**FlexiStain is instantly conjugated to biotinylated antibodies with a simple 1-step click chemistry reaction.**

## Multiplex with biotinylated antibodies

FlexiStain is a unique immunolabeling tool as it enables multiplexing with several biotinylated antibodies. The click chemistry is permanent and causes no spillover of fluorochromes between antibodies. An important feature of FlexiStain is that multiplexing can be performed with antibodies of the same animal host species.



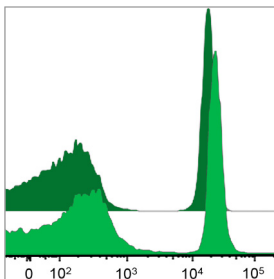
**No fluorochrome exchange between FlexiStained antibodies.** Flow cytometry analysis of T and B cells immunolabeled with FlexiStained anti-CD3 antibody (AF647) and FlexiStained anti-CD45R antibody (AF488).



**Multiplex immunostaining of mouse spleen using four biotinylated antibodies.** T cells (rat anti-CD3, green), B cells (rat anti-CD45R, red), macrophages (rat anti-CD11b, white), and dendritic cells (hamster anti-CD11c, blue) were detected using FlexiStain with four different fluorochromes. Image was acquired with a standard fluorescence microscope equipped with SpectraSplit™ filter cubes for optimal multicolor separation.

## As bright as directly conjugated antibodies

FlexStained antibodies are bright and generate fluorescence signals in the range of directly conjugated antibodies. FlexStained antibodies can be used straight away or stored at +4C for later use. The FlexiStain labeling reaction is efficient and can be run in such small volumes that it becomes practical to label individual antibodies with fluorochromes depending on the experiment.



**FlexiStained antibodies are as bright as directly conjugated antibodies.** Flow cytometry analysis of splenic B lymphocytes immunolabeled with antibodies against CD45R (clone B220). Dark green = directly conjugated antibody, light green = FlexiStained antibody

## FlexiStain is available in four fluorochromes

Reagent	Volume	Quantity	Fluorochrome	Excitation	Emission
FlexiStain 488	500 µl*	labels 50 µg biotinylated antibody	AlexaFluor 488	495 nm	520 nm
FlexiStain 546	500 µl*	labels 50 µg biotinylated antibody	Atto542 (Cy3 equivalent)	542 nm	562 nm
FlexiStain 594	500 µl*	labels 50 µg biotinylated antibody	AlexaFluor 594	590 nm	620 nm
FlexiStain 647	500 µl*	labels 50 µg biotinylated antibody	AlexaFluor 647	650 nm	668 nm