

Fluorescent Antibody Labelling

SERVA
serving scientists

Let your antibodies shine

The kits offer an efficient and easy method for the fluorescent conjugation of antibodies. Although optimized for antibody labelling, they work as well with other molecules containing a primary amino group, like proteins/peptides or 5'-aminomodified DNA oligomers.

- Ready to use for conjugation
- Easy and reproducible, minimum hands-on time
- High brightness
- Superior signal-to-noise ratio due to low background
- Complete kits inclusive buffers and purification column

Direct labelling of antibodies allows you to use more than one same-species antibody in a single experiment. The labelled molecules are suitable for many applications like Western blotting, ELISAs, fluorescent microscopy, flow cytometry, immunohistochemistry, immunocytochemistry, indirect FISH.

Description	Colour	Extinction _{max}	Emission _{max}
Dye 488	Green	494 nm	520 nm
Dye 550	Red	550 nm	565 nm
Dye 645	Far red	648 nm	667 nm
Dye 770	Near infrared	774 nm	790 nm

How it works

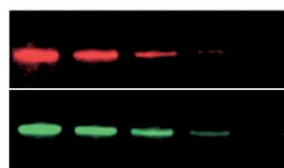
Simply incubate your antibody diluted in an amine-free buffer with the dye for 1 hour. Purification is accomplished on a gel filtration gravity respectively spin column. The kits contain not only the dye, but as well the labelling buffer and purification system to ensure reproducibility and easy procedures. Because the reactive dyes are water soluble, no organic solvents are required.

Kit formats

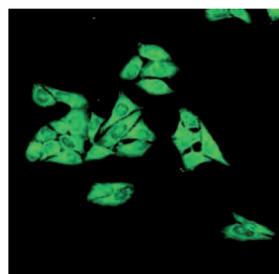
The Antibody Labelling Kits are available in two formats, one for labelling 1 mg and a micro version for labelling of 50 – 100 µg of antibody.

Application examples

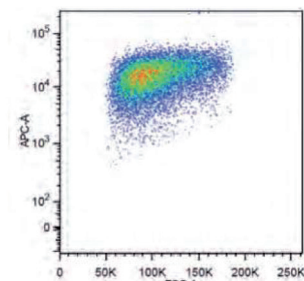
The dyes are optimized for high brightness and low background. The performance will be comparable or outperform existing fluorescent dyes used in immune applications.



Western Blotting



Microscopy



Flow Cytometry

Ordering Information

Cat. no.	Product	Size
59000.01	Dye 488 Antibody Labelling Kit	1 React.
59000.02		2 React.
59001.01	Dye 550 Antibody Labelling Kit	1 React.
59001.02		2 React.
59002.01	Dye 645 Antibody Labelling Kit	1 React.
59002.02		2 React.
59003.01	Dye 770 Antibody Labelling Kit	1 React.
59003.02		2 React.

Antibody Labelling Kits for 1 mg protein per reaction

Cat. no.	Product	Size
59004.01	Dye 488 Micro Antibody Labelling Kit	3 React.
59005.01		3 React.
59006.01	Dye 645 Micro Antibody Labelling Kit	3 React.
59007.01		3 React.

Antibody Labelling Kits for 50–100 µg protein per reaction