

Product information

This protocol outlines only the labeling of primary antibodies and the detection of target proteins on the membrane. SDS-PAGE and membrane transfer should be performed according to your standard procedures. A membrane blocking step is not required.

Components

Component	CatalogNo.	Size
FlexAble HRP Antibody Labeling Kit for Mouse IgG2b	KFA065	10 rxns
Blotting Accelerator	PR20039	100 mL

This Kit contains two components that speed up the Western blot workflow significantly by reducing the number of steps and antibody incubation time.

1. FlexAble HRP Antibody Conjugation Kit

(for Rabbit IgG / for Mouse IgG1, IgG2a, or IgG2b)

FlexAble HRP Antibody Labeling Kits are a fast and easy solution to label primary antibodies with HRP to facilitate 1-step detection without a secondary antibody.

The FlexLinker included in the Kits is specific to IgG species and subtype. Please make sure you use the correct Kit with your rabbit or mouse primary.

2. Blotting Accelerator

This ready-to-use solution is specifically used for membrane blocking and antibody dilution in Western blot experiments. Containing special organic compounds, the Blotting Accelerator is designed to significantly shorten the antibody incubation times to around 25 minutes or less per antibody, which will improve experimental efficiency, especially when combined with FlexAble HRP Kits.

Please refer to the product pages on our website if you want to learn more about each component of this kit.

20 rxns

Package

Storage

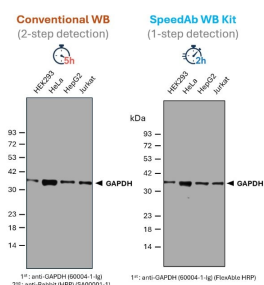
FlexAble HRP Kits: Store for 1 year at -20°C or for 6 months at 4°C upon receipt. Avoid exposure to light.

Blotting Accelerator: Store at 2-8°C for a year.

Cautions

1. If you use this product for the first time, you may need to titrate the antibody dilution ratio.
2. The blotting accelerator contains the preservative ProClin 300. Please wear a lab coat and disposable gloves.
3. This product is for laboratory scientific research use only.

Validation Data



SpeedAb WB Kit for detection of mouse IgG2b. (red) Classical Western blot detection of GAPDH in lysates from different human cell lines. A primary anti-GAPDH antibody (mouse IgG2b) was used in combination with a secondary anti-mouse antibody (HRP), after blocking and incubation with antibodies for 1 h, respectively. The total time of ~2 h includes SDS-PAGE, blotting, blocking, primary and secondary antibody incubation, and washing steps of the membrane. (blue) Detection of GAPDH in lysates from different human cell lines via SpeedAb WB Kit. The same primary anti-GAPDH antibody was labeled with FlexAble HRP (anti-mouse IgG2b) via a simple 10 min protocol, enabling a 1-step detection. The blotting accelerator speeds up binding of the antibody to the target protein, cutting the antibody incubation time to 15 min only and the total time including SDS-PAGE, blotting, antibody incubation and a final washing step to ~2 h.

For technical support and original validation data for this product please contact

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