

Tyramide Amplification Kit with HRP Goat Anti-Rabbit and CF® Dye or Biotin Tyramide



Product attributes

Storage Conditions	Store at -10 to -35 °C, Protect dye component from light
Cross adsorption	Human, Mouse, Rat

Kits for increasing immunofluorescence sensitivity using HRP-catalyzed tyramide signal amplification; with your choice of next-generation fluorescent CF® dyes or biotin.

Product Description

This kit contains reagents for performing tyramide signal amplification (TSA) using goat anti-rabbit HRP secondary antibody and fluorescent CF® Dyes or biotin to increase immunofluorescence signal.

Tyramide amplification, sometimes called Catalyzed Reporter Deposition (CARD), is an enzyme-mediated detection method that uses the catalytic activity of horseradish peroxidase (HRP) to generate high density labeling of a target protein or nucleic acid sequence *in situ*. The tyramide amplification method has been reported to increase the sensitivity by up to 100-fold compared to conventional avidin-biotin detection. Multiple rounds of tyramide signal amplification can be performed for multiplex detection; to learn more, see our [Tech Tip: Multicolor Fluorescence Imaging using Tyramide Amplification Kits](#). Learn more about [tyramide signal amplification](#).

The HRP goat anti-rabbit antibody provided in the kits has been adsorbed against human, mouse, and rat serum to minimize cross-reactivity. The kits include your choice of 6 CF® dye tyramides or biotin tyramide. CF® dyes are Biotium's line of next-generation fluorescent dyes, with advantages in brightness and photostability compared to other dyes. Learn more about [CF® dyes](#).

Also see our [Tyramide Amplification Kits with HRP Goat Anti-Mouse](#) and [Tyramide Amplification Kits with HRP Streptavidin](#).

Each kit contains reagents for staining 50-150 slides; the actual number of samples that can be stained will depend on staining volumes used. [Tyramide Amplification Buffer](#), [CF® Dye Tyramides](#), and other tyramide compounds are also available separately. See our [full selection of tyramide products](#).

Tyramide Signal Amplification Kits

Tyramide Label	Ex/Em	Secondary conjugate	Catalog no.
CF®488A Goat anti-rabbit HRP Streptavidin HRP	490/515 nm 33001 33002	Goat anti-mouse HRP	33000
CF®543 Goat anti-rabbit HRP Streptavidin HRP	541/560 nm 33004 33005	Goat anti-mouse HRP	33003
CF®568 Goat anti-rabbit HRP Streptavidin HRP	562/583 nm 33007 33008	Goat anti-mouse HRP	33006
CF®594 Goat anti-rabbit HRP Streptavidin HRP	593/614 nm 33010 33011	Goat anti-mouse HRP	33009
CF®640R Goat anti-rabbit HRP Streptavidin HRP	642/662 nm 33013 33014	Goat anti-mouse HRP	33012
CF®680R Goat anti-rabbit HRP Streptavidin HRP	680/701 nm 33016 33017	Goat anti-mouse HRP	33015
Biotin-XX Goat anti-rabbit HRP Streptavidin HRP	N/A 33019 33020	Goat anti-mouse HRP	33018

*Note: Older versions of this kit contain Ready-to-Use Tyramide Amplification Buffer (component 22027-25mL) without a separate vial of hydrogen peroxide. Download the product information sheet for detailed protocols. The SDS for the older version of the kit can be downloaded here: [SDS-Tyramide-Amplification-Kit with 22027](#).

[Back to top](#)