

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



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-mouse 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-mouse antibody provided in the kits has been adsorbed against bovine, horse, human, rabbit, and swine serum to minimize cross-reactivity; the antibody is not cross-adsorbed against rat. 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-Rabbit](#) 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.

Also learn about [TyraMax™ Amplification Dyes and Kits](#), Biotium's next generation tyramide dyes that offer brighter signal compared to the original [CF® Dye Tyramides](#), and have advantages in brightness, photostability, and working solution stability compared to other TSA dyes. We also offer [Ready-to-Use Tyramide Amplification Buffer](#) and [Tyramide Amplification Buffer Plus](#) (an improved formulation for enhanced TSA sensitivity). Learn more about [Tyramide Signal Amplification](#).

### Product attributes

Cross adsorption

Bovine, Horse, Human, Rabbit, Swine

Storage Conditions

Store at -10 to -35 °C, Protect dye component from light

## Tyramide Signal Amplification Kits

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

\*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](#).

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