

## DATASHEET

### Biotin Tyramide Signal Amplification Kit - Janelia Fluor® 646

## Product overview

#### Name

Biotin Tyramide Signal Amplification Kit - Janelia Fluor® 646

#### Cat No

HB19874

#### Biological description

Biotin Tyramide Signal Amplification Kit - Janelia Fluor® 646 enables immunofluorescent detection of low abundance targets with a bright and photostable fluorophore. Biotin Tyramide Signal Amplification Kits enhance signal through deposition of biotin tyramide on neighbouring molecules. Janelia Fluor® 646 detects biotin with extremely high affinity, resulting in increased sensitivity and signal detection. Janelia Fluor® 646 and the other members of the Janelia Fluor® family are bright and highly photostable fluorophores particularly suited for super resolution imaging such as dSTORM and STED.

This kit provides the reagents for 100 x 1mL reactions, with a protocol that can easily be adapted for immunohistochemistry (IHC), immunocytochemistry (ICC) and in situ hybridisation (ISH).

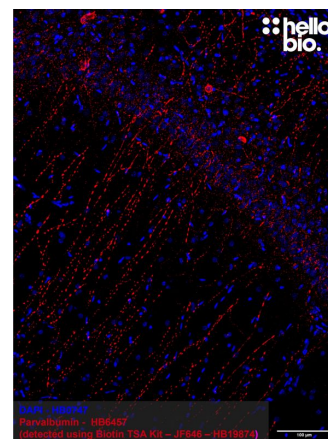
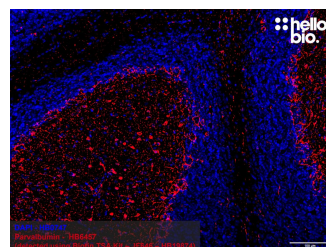
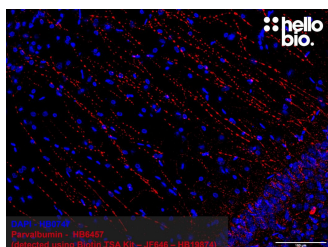
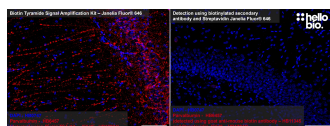
#### Key features:

- Streptavidin Janelia Fluor® 646 (HB17045) for detection (Ex: 652nm, Em: 675nm)
- Bright and photostable signal for repeated imaging
- Enhanced signal of hard-to-detect targets
- Reduced primary antibody use
- Suited for IHC(IF), ICC, FISH
- Suitable for super resolution imaging

#### Applications Description

fluorescence imaging, ICC, IHC(IF)  
Immunofluorescent signal amplification kit using biotin tyramide and Streptavidin Janelia Fluor® 646.

## Images



## Biological Data

#### Application notes

#### Biotin Tyramide Signal Amplification Protocol

## Solubility & Handling

Storage instructions	-20 °C
Reconstitution advice	