

## DATASHEET

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

#### Product overview

<b>Name</b>	Biotin Tyramide Signal Amplification Kit - Janelia Fluor® 646
<b>Cat No</b>	HB19874
<b>Biological description</b>	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).

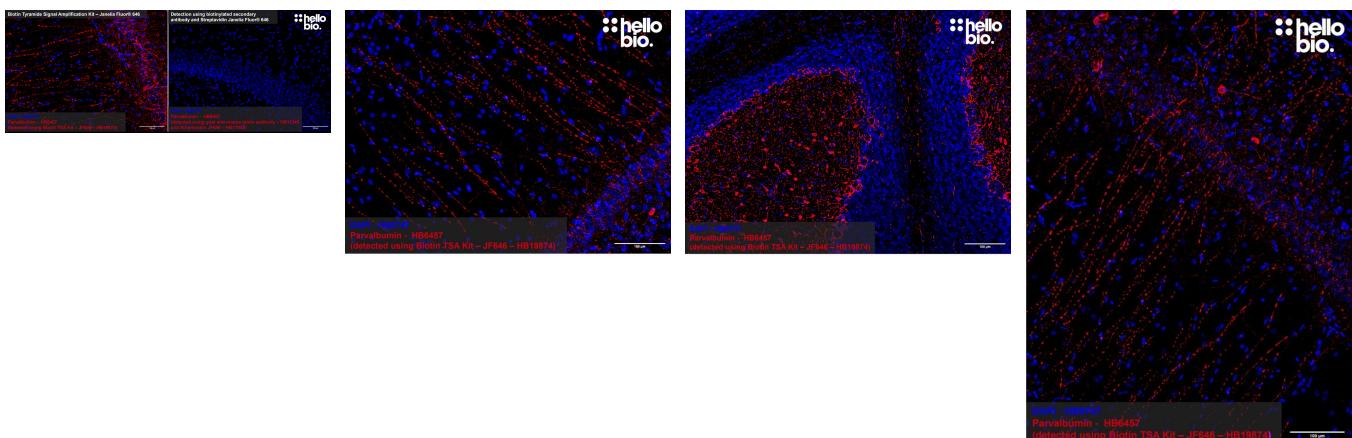
#### Key features:

- 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

Please follow [this link](#) to the amplification protocol.

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## Solubility & Handling

**Storage instructions** -20°C

**Reconstitution advice**