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## DATASHEET

### Biotin Tyramide Signal Amplification Kit - Janelia Fluor® 549

#### Product overview

|                               |   |
|-------------------------------|---|
| <b>Name</b>                   | Biotin Tyramide Signal Amplification Kit - Janelia Fluor® 549   |
| <b>Cat No</b>                 | HB16587   |
| <b>Biological description</b> | Biotin Tyramide Signal Amplification Kit – Janelia Fluor® 549 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® 549 detects biotin with extremely high affinity, resulting in increased sensitivity and signal detection. Janelia Fluor® 549 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. |

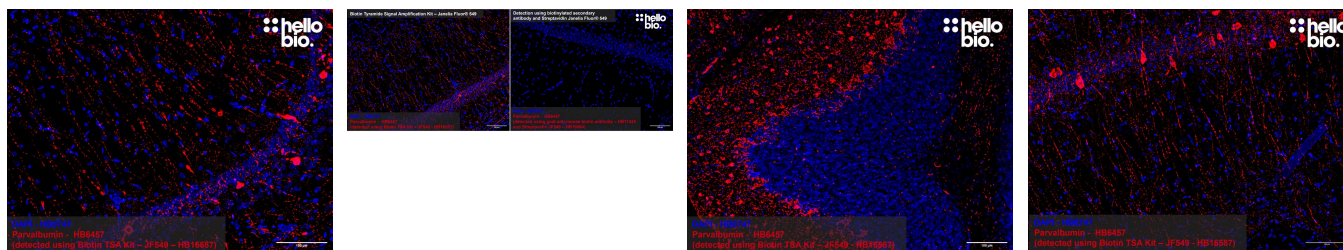
This kit provides the reagents for 100 x 1mL reactions, with a protocol that can easily be adapted for immunohistochemistry (IHC), immunocytochemistry (ICC) and in situ hybridisation (ISH).

Key features:

- Janelia Fluor® 549 Streptavidin for detection (Ex: 552nm, Em: 579nm)
- 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

|                     |   |
|---------------------|---|
| <b>Applications</b> | fluorescence imaging, ICC, IHC(IF)  |
| <b>Description</b>  | Immunofluorescent signal amplification kit using biotin tyramide and Streptavidin Janelia Fluor® 549. |

#### Images



#### Biological Data

|                          |  |
|--------------------------|--|
| <b>Application notes</b> | <b>Biotin Tyramide Signal Amplification Protocol</b> |
|--------------------------|--|

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

#### Solubility & Handling

**Storage instructions**  
**Reconstitution advice**

-20°C