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## DATASHEET

### Biotin Tyramide Signal Amplification Kit - Janelia Fluor® 525

#### Product overview

**Name**

Biotin Tyramide Signal Amplification Kit - Janelia Fluor® 525

**Cat No**

HB19791

**Biological description**

Biotin Tyramide Signal Amplification Kit - Janelia Fluor® 525 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® 525 detects biotin with extremely high affinity, resulting in increased sensitivity and signal detection. Janelia Fluor® 525 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).

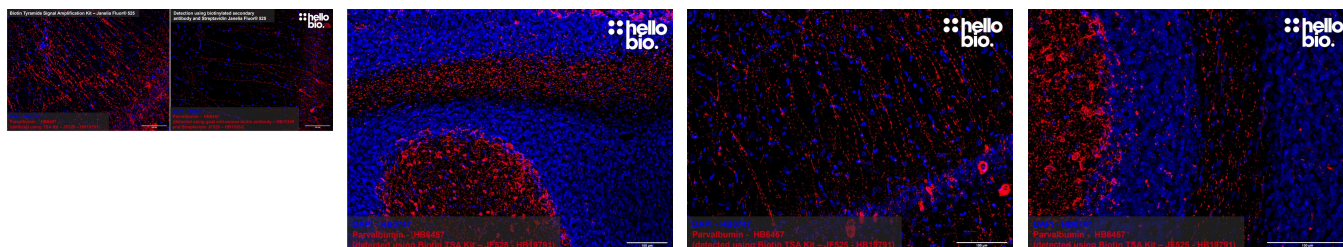
**Key features:**

- Janelia Fluor® 525 Streptavidin for detection (Ex: 534nm, Em: 559nm)
- 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, IF, IHC(IF)  
Immunofluorescent signal amplification kit using biotin tyramide and Streptavidin Janelia Fluor® 525.

#### Images



#### Biological Data

**Application notes**

**Biotin Tyramide Signal Amplification Protocol**

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

#### Solubility & Handling

Storage instructions  
Reconstitution advice

-20°C