

DATASHEET

Streptavidin Janelia Fluor® 525

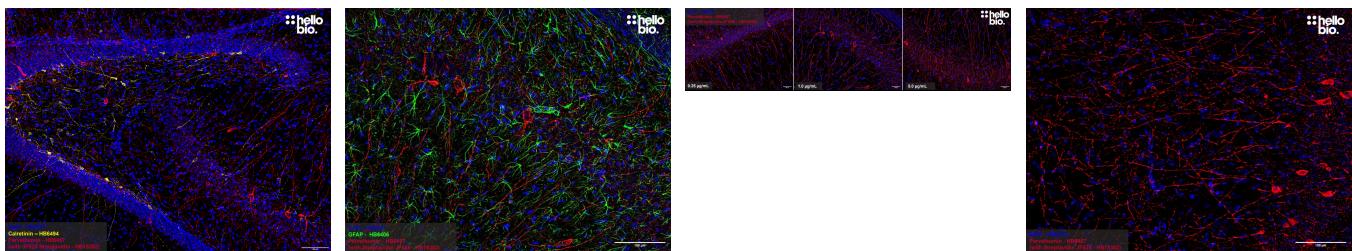
Product overview

Name	Streptavidin Janelia Fluor® 525
Cat No	HB15382
Biological description	Streptavidin Janelia Fluor® 525 is a biotin binding protein conjugated with the fluorescent dye Janelia Fluor® 525 and can be used to detect biotin labelled molecules such as nucleic acids, antibodies, and other proteins. Biotinylated antibodies are bound with extremely high affinity by Streptavidin Janelia Fluor® 525 enabling immunofluorescent detection in IHC, ICC, flow cytometry and Western blot. 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.
Species of origin	E. coli
Applications	fluorescence imaging, ICC, IF, IHC
Description	Janelia Fluor® 525 conjugated streptavidin for detection and signal amplification of biotin coupled proteins and antibodies.

Key features:

- Conjugated with Janelia Fluor® 525 (Ex: 534nm, Em: 559nm)
- Supplied as a more stable lyophilate
- Bright and photostable signal for repeated imaging
- For use in IHC(IF), ICC, Western blotting and Flow cytometry
- Suited for super resolution imaging including dSTORM and STED

Images



Biological Data

Application notes

#Protocol 1: Detecting biotin-labelled antibodies in IHC

- Incubate free floating rat brain sections (40µm) in sodium borohydride (NaBH₄) for 15 minutes followed by 2 hours in blocking buffer (0.05M glycine, 2% BSA and 3% donkey serum).
- Incubate sections with primary antibody in blocking buffer at 4°C overnight, as in our [IHC protocol](#).
- Wash sections three times in PBST for 5 minutes each.
- Incubate sections with 2 µg/mL goat anti-mouse biotin antibody [HB11345](#) or goat anti-rabbit

antibody **HB11036** diluted in blocking buffer for 2 hours at RT.

5. Wash sections three times in PBST for 5 minutes each.
 6. Incubate sections with 1 μ g/mL Streptavidin Janelia Fluor® 525 in blocking buffer for 2 hours.
 7. Wash sections three times in PBST for 5 minutes each.
 8. Incubate sections with 10 μ g/mL DAPI for 10 minutes.
 9. Wash sections in dH₂O, mount on glass slides with mounting media and cover with coverslip.
 10. Image the sections on a microscope using a 532nm laser or TRITC filter set to excite Streptavidin Janelia Fluor® 525.
-

Solubility & Handling

Storage instructions -20°C then use reconstitution advice

Reconstitution advice