

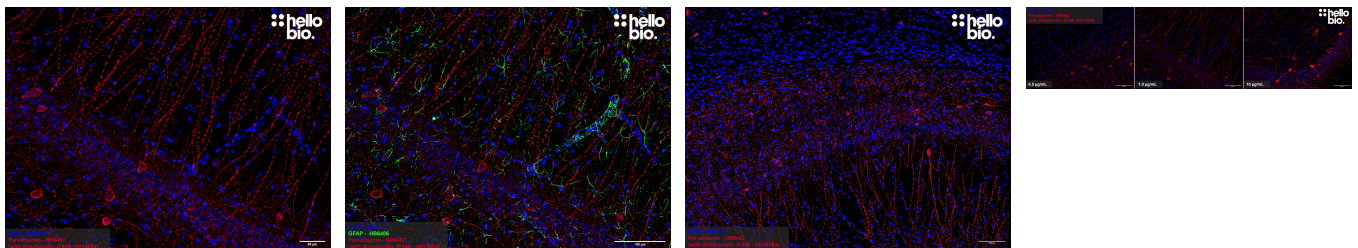
DATASHEET

Streptavidin Janelia Fluor® 549

Product overview

Name	Streptavidin Janelia Fluor® 549
Cat No	HB18064
Biological description	Streptavidin Janelia Fluor® 549 is a biotin binding protein conjugated with the fluorescent dye Janelia Fluor® 549 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® 549 enabling immunofluorescent detection in IHC, ICC, flow cytometry and Western blot. 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.
	Key features:
	<ul style="list-style-type: none">• Conjugated with Janelia Fluor® 549 (Ex: 552nm, Em: 579nm)• 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
Species of origin	E. coli
Applications	fluorescence imaging, ICC, IF, IHC
Description	Janelia Fluor® 549 conjugated streptavidin for detection and signal amplification of biotin coupled proteins and antibodies.

Images



Biological Data

Application notes	#Protocol 1: Detecting biotin-labelled antibodies in IHC
	<ol style="list-style-type: none">1. 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).2. Incubate sections with primary antibody in blocking buffer at 4 °C overnight, as in our IHC protocol.3. Wash sections three times in PBST for 5 minutes each.4. 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 µg/mL Streptavidin Janelia Fluor® 549 in blocking buffer for 2 hours.
 7. Wash sections three time in PBST for 5 minutes each.
 8. Incubate sections with 10 µg/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 561nm laser or TRITC filter set to excite Streptavidin Janelia Fluor® 549.
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Solubility & Handling

Storage instructions
Reconstitution advice

-20 °C then use reconstitution advice