

DyLight™ 649 Streptavidin

Catalog# / Size	405224 / 100 µg
Regulatory Status	RUO
Other Names	SAv-DyLight™ 649
Description	Streptavidin binds to biotin with high affinity. DyLight™ 649-conjugated Streptavidin is useful for detecting biotinylated antibodies. The excitation of DyLight™ 649 by 654 nm laser light induces a fluorescence emission maximum of 670 nm.

Product Details

Verified Reactivity	Human, Mouse, Rat, All Species
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Preparation	Streptavidin is conjugated with DyLight™ 649 under optimal conditions.
Concentration	0.5 mg/ml (concentration relates to the Streptavidin only component of the conjugate)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested ICC, IHC-F, IHC-P
Recommended Usage	This streptavidin product is quality control tested by immunofluorescent staining with flow cytometric analysis. The concentration provided is based upon molecular mass of streptavidin independent of any additional molecular mass that might be added by the DyLight™ 649 conjugation. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes	Streptavidin-DyLight™ 649 is useful as a second step reagent for indirect immunofluorescent staining when used in conjunction with biotinylated primary antibodies. The average molecular weight of Streptavidin-DyLight™ 649 is 60 kD and Streptavidin alone is 52 kD.
Application References (PubMed link indicates BioLegend citation)	1. Van VQ, <i>et al.</i> 2012. <i>PLoS One</i> . 7:e41972. PubMed 2. Zenker S, <i>et al.</i> 2014. <i>J. Immunol.</i> 192:2830. PubMed
Product Citations	1. Van V, <i>et al.</i> 2012. <i>PLoS One</i> . 7:e41972. PubMed 2. Zenker S, <i>et al.</i> 2014. <i>J Immunol.</i> 192:2830. PubMed 3. Hrdinka M, <i>et al.</i> 2016. <i>PLoS One</i> . 11: 0162863. PubMed 4. Matsumoto S, <i>et al.</i> 2015. <i>J Biol Chem.</i> 290: 20071-20085. PubMed 5. Ermert D, <i>et al.</i> 2016. <i>PLoS Pathog.</i> 11: 1005043. PubMed 6. Carestia A, <i>et al.</i> 2019. <i>Cell Rep.</i> 28:896. PubMed 7. Nowak W, <i>et al.</i> 2020. <i>EBioMedicine.</i> 50:290-305.. PubMed

Antigen Details

Gene ID	NA
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