

DyLight™ 488 Streptavidin

Catalog # / Size: 2626090 / 100 µg
Isotype: Mouse IgG1, κ
Reactivity: Human, Mouse, Rat
Preparation: Streptavidin is conjugated with DyLight™ 488 under optimal conditions.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration: 0.5

Applications:

Applications: Immunofluorescence

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™ 488 conjugation. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Streptavidin-DyLight™ 488 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™ 488 is 60 kD and Streptavidin alone is 52 kD.

Application References:

1. Ramos TN, *et al.* 2011. *J. Immunol.* 186:6657. [PubMed](#).
2. Yan ZX, *et al.* 2012. *Am J Physiol Heart Circ Physiol.* 302:215. [PubMed](#)
3. Chen WP, *et al.* 2014. *Cardiovasc Res.* 105:44. [PubMed](#)

Description: Streptavidin binds to biotin with high affinity. DyLight™ 488-conjugated Streptavidin is useful for detecting biotinylated antibodies. The excitation of DyLight™ 488 by 493 nm laser light induces a fluorescence emission maximum of 518 nm.