

SUMMARY

shipped at room temperature; store at -20 °C

Unit: 1 mg

Stock Solution: dissolve in 0.5 - 1.0 ml PBS, pH 7.2 or other suitable buffer.

Abs./Em.max.: 501/523 nm

Molecular Weight: approximately 61,000 g/mol

For research use only

Preparation of the Stock Solution

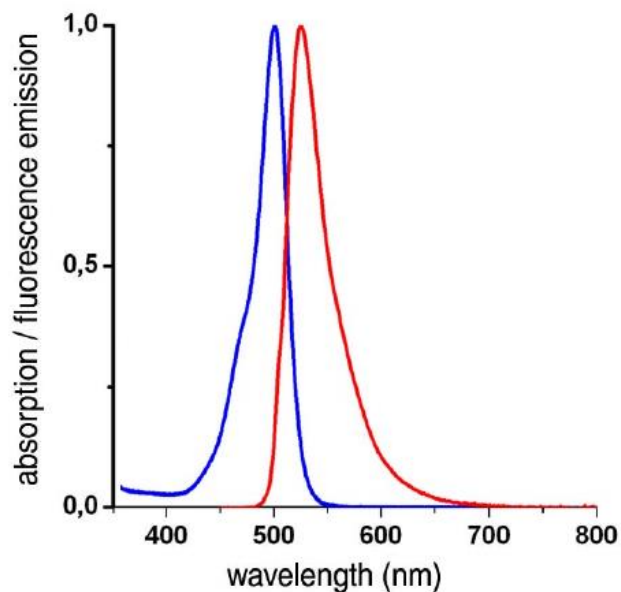
Dissolve the powder in 0.5 - 1.0 ml PBS, pH 7.2 or other suitable buffer. Add preservative by addition of sodium azide to a final concentration of 2 mM or thimerosal to 0.2 mM.

Absorption / Emission Maxima

Absorption maximum: 501 nm +/- 5 nm

Emission maximum: 523 nm +/- 5 nm

Spectra MFP488



Applications and Protocol

Streptavidin conjugates are used in histochemical applications, flow cytometry, blot analysis and immunoassays.

Streptavidin is used as a secondary detection reagent: A biotinylated primary probe such as an antibody, single-stranded nucleic acid probe or lectin is bound to tissues, cells or other surfaces. Excess protein is removed by washing. Detection is mediated by MFP488 streptavidin.

Because staining protocols vary with the application, appropriate dilutions of conjugates should be determined empirically. In general, a final concentration of 1 - 20 µg/ml is usually satisfactory for the most histochemical applications. Incubation times vary between 30 minutes and 2 hours.

Note: *Please centrifuge protein conjugate solutions briefly in a microcentrifuge before use, only the supernatant should be used for the experiment. This step will eliminate any protein aggregates that may have formed in solution and thereby non-specific background staining will be reduced.*

Order Information, Shipping and Storage

Order#	Product	Quantity
MFP-S1223	MFP488 Streptavidin	1 mg
shipped at room temperature; store at -20 °C		

Contact and Support

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