

Product Datasheet

Streptavidin - R-Phycoerythrin Protein 2012-1000

Unit Size: 1 mg

Store at -20 °C.

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2012-1000**Streptavidin - R-Phycoerythrin Protein****Product Information**

Unit Size	1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20 °C.
Conjugate	R-Phycoerythrin

Product Description

Description	<p>Streptavidin is purified from the bacterium <i>Streptomyces avidinii</i>. It is a tetrameric protein that is composed of identical subunits, with the tetramer having a molecular weight of approximately 53kDa. Each subunit binds one biotin molecule with a very high degree of specificity and affinity. The K_d for this interaction is in the region of 10-15M. R-Phycoerythrin (R-PE) is a 240kDa phycobiliprotein that is isolated from red algae. R-PE has a bright red-orange fluorescence with a high quantum yield, and is brighter than other conventional fluophores and phycobiliproteins. The absorbance spectrum of R-PE covers a range of excitation wavelengths, which provides an advantage for multi-color immunofluorescent staining or cell-sorting. The emission maximum of R-PE is at 575nm. R-PE is used for fluorescence-based detection, often in assays which require high sensitivity.</p> <p>Our streptavidin conjugates are produced using our Lightning-Link bio-conjugation technology, therefore providing high quality, stable covalent conjugates for use in your application.</p>
Notes	This product is manufactured by Expedeon Inc. and distributed by Novus Biologicals.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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