

# Product Datasheet

## Streptavidin - HRP 2010-0100

Unit Size: 0.1 mg

Store at -20 °C.

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**2010-0100****Streptavidin - HRP**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at -20 °C.
<b>Product Description</b>	
<b>Description</b>	<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<sub>d</sub> for this interaction is in the region of 10<sup>-15</sup>M. Horseradish Peroxidase (HRP) is a metalloenzyme which has many different isoforms. It utilizes hydrogen peroxide to oxidize both organic and inorganic compounds, and in the presence of the appropriate substrate (e.g. TMB, DAB, ABTS) causes a color change that can be measured spectro-photometrically.</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>
<b>Notes</b>	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. Support products are guaranteed for 6 months from date of receipt.

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