

# Product Datasheet

## Streptavidin - Alkaline Phosphatase Protein 2011-0100

Unit Size: 0.1 mg

Store at -20 °C.

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**2011-0100**

Streptavidin - Alkaline Phosphatase Protein

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20 °C.
<b>Conjugate</b>	Alkaline Phosphatase

**Product Description**

<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 Kd for this interaction is in the region of 10-15M. Alkaline Phosphatase is a hydrolase enzyme. It is extracted from bovine intestine and purified using multiple precipitation, fractionation, chromatography, and filtration steps. Alkaline Phosphatase is frequently employed in immunoassays, and a commonly used colorimetric substrate for it is PNPP; the product of this reaction, p-nitrophenol, can be read at 405nm. Fluorogenic substrates such as 4- methylumbelliferyl phosphate (MUP) may also be used.</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.



## Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

## Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

## Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

## General Contact Information

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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