



# QUANTA BIODESIGN LIMITED

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**Product Number: 21-0312-0102**

## Protein A, Biotin

Biotinylated Protein A can be used to detect and probe rabbit and human antibodies, with a preference for IgG isotypes in a range of immunoassays. Protein A, isolated from *Staphylococcus aureus*, is biotinylated using our *SuperHydrophilic* technology designed to improve solubility, limit non-specific binding and improve signal to noise ratios. Protein A contains four high-affinity binding sites that can interact with the Fc region of species specific IgGs in a pH-dependent manner and biotin has a high binding affinity for streptavidin. Protein A, Biotin is useful in western blot, ELISA, IHC applications among other immunoassays. For best results, use Protein A, Biotin in conjugation with our *SuperHydrophilic* Streptavidin-HRP conjugates and *Q-Bright* chemiluminescence detection reagents or *Aquora* dye labeled streptavidin for fluorescent-based detection systems.

<b>Product Number:</b>	<b>21-0312-0102</b>
Concentration:	1 mg/ml
Buffer:	PBS, pH 7.2, with 1% BSA, and other proprietary stabilizers
Preservative:	0.1% Kathon CG/ICP
Storage and Handling:	Store at 4°C for up to 12 months. To extend shelf life, aliquot and store at -20° C or below and avoid repeated freeze-thaw cycles. Protect from light.
Country of Origin:	United States of America

### Label Information

### Biotin

Optimal dilutions must be determined by the end user in their individual systems

FOR RESEARCH USE ONLY. THIS PRODUCT IS A LABORATORY REAGENT AND IS NOT TO BE ADMINISTERED TO HUMANS OR ANIMALS. IT IS NOT TO BE USED FOR ANY DIAGNOSTIC OR THERAPEUTIC PURPOSE. NOT FOR RESALE.  
SuperHydrophilic™ is a trademark of Quanta BioDesign, Ltd. dPEG®, Aquora®, Q-Bright®, AQ®, Q-Link®, and Q-Tag® are all registered trademarks of Quanta BioDesign, Ltd.