



# UltraAmp™

Anti-Biotin / Oyster®-550 (350)  
3DNA® Dendrimer Signal Amplification Reagent

## PRODUCT INFORMATION

Catalog Number:	AB3550
Quantity of 3DNA dendrimer per vial:	1 microgram
Antibody bound to 3DNA dendrimer:	Anti-Biotin (polyclonal)
Label moiety bound to 3DNA dendrimer:	Oyster-550 fluorescent dye (~350 per dendrimer)
Dendrimer concentration:	10 nanograms of DNA per microliter
Storage conditions:	2-8° Celsius
Shelf life:	Six (6) months from the date of manufacture
3DNA Dendrimer Molecular weight:	$1.2 \times 10^7$ Daltons

## DESCRIPTION

A DNA dendrimer reagent containing anti-biotin antibody (~ 5-15 antibodies per dendrimer molecule) and labeled with ~ 350 Oyster-550 fluorescent dyes.

## STORAGE BUFFER

This UltraAmp reagent is prepared and stored in a buffered solution containing highly pure ethylene glycol, thimerosal (anti-microbial) and other proprietary stabilizer agents.

## USAGE

This reagent is effective for the detection of biotin in a variety of assay formats, including protein arrays, ELISA and bead based flow assay formats. A quantity of 25 – 50 nanograms of dendrimer reagent per reaction is recommended; this may vary dependent upon the assay type and conditions. We recommend titrating the UltraAmp reagent for each specific assay format to determine the most appropriate quantity required per reaction. UltraAmp reagents are compatible with most assay buffers. Volume excluders, such as dextran sulfate, may be used at concentrations of up to 3% to enhance the performance of these reagents.

## APPLICATION NOTES

Application notes detailing the specific use of this product in various assay formats are available at [www.genisphere.com/signal\\_amp\\_app\\_notes.html](http://www.genisphere.com/signal_amp_app_notes.html)

## QUALIFICATION

This reagent has been qualified in a protein array assay where varying quantities of immobilized biotinylated protein were detected by this UltraAmp dendrimer reagent. This assay demonstrates the ability of the UltraAmp reagent to bind appropriately to its target and provide quantifiable signal. The graph indicates the standard curve derived from the quality control testing data and does not represent the performance of this reagent in a typical sandwich immunoassay.

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Oyster is a trademark of Denovo Biolabels GmbH.

Protected by U.S. Patents 5,175,270; 5,484,904; 5,487,973, 6,046,038, 6,072,043, 6,110,687 and other patents pending in the U.S. and other countries.

Use of this product may require additional licenses depending on the application.

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