

# Product Datasheet

## Europium Midi Beads Antibody Conjugation Kit 1200-0120

Unit Size: 1 Reaction

Store at -20 °C.

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**1200-0120****Europium Midi Beads Antibody Conjugation Kit****Product Information**

<b>Unit Size</b>	1 Reaction
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at -20 °C.

**Product Description**

<b>Description</b>	<p>The Expedeon Europium Conjugation Kit significantly simplifies the conjugation of antibodies and proteins to 200 nm Europium (Eu) chelate microspheres.</p> <p>The europium particles have a specially treated surface which covalently binds antibodies and proteins, generating highly stable conjugates that are resistant to aggregation.</p> <p>Our europium conjugation kit is a unique product as, unlike other kits available, the antibody-europium conjugates generated can be used in either an immunochromatographic lateral flow assay or a microwell-based assay.</p> <p>*Detection of europium conjugates in a lateral flow assay will require either a fluorescence strip reader or a UV transilluminator (please contact us for more information).</p> <p>Features and Benefits of Europium Labeling:  15-fold higher sensitivity compared with other common particles.  Generation of stable conjugates  Resistant to aggregation  No harsh resuspension methods required  Conjugates ready to use in 35 minutes  Fully scalable from R&amp;D to manufacturing</p>
<b>Kit Components</b>	1 vial of 1x Reaction Buffer A 1 vial of 1x Reaction Buffer B 1 vial of 10x Europium Quencher 1 vial of Resuspension Buffer
<b>Notes</b>	This product is manufactured by Abcam and distributed by Novus Biologicals.

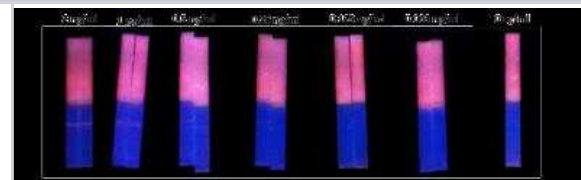
**Product Application Details**

<b>Application Notes</b>	<p>The optimum amount of antibody (which will influence the number of antibody molecules per particle) depends on the size of the particles (surface area) and on the application. You may need to conjugate different amounts of antibody to optimize your assay. We recommend testing with 0.1 mg/mL in the first instance, although slightly lower or higher concentrations can be explored to optimize performance in your particular application. Before testing antibody concentrations above 0.1 mg/mL we advise you to use our Antibody Concentration &amp; Clean Up Kit for LATEX and EUROPIUM to remove interfering buffer components. This is due to the increase in contamination that will occur when conjugating using a larger volume of the stock antibody. Do not alter the reaction volume of 400 uL as this will reduce conjugation efficiency.</p>
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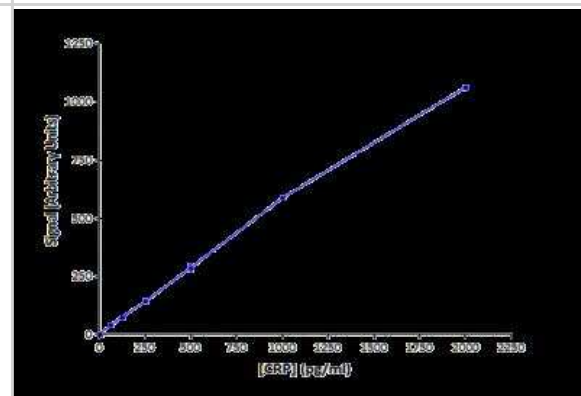


## Images

Europium Midi Antibody Labeling Kit [1200-0120] - Typical results obtained from a UV transilluminator



Europium Midi Antibody Labeling Kit [1200-0120] - Typical results obtained from a fluorescence reader, showing europium conjugated to a monoclonal anti-CRP antibody. The conjugate is easily able to detect as little as 63pg/ml CRP, in part due to the low background and lack of aggregation.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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