

Maxpar Antibody Conjugation Service for Mass Cytometry

Expand and accelerate your research with isotope-conjugated antibodies made by experts



Mass cytometry is the most comprehensive way to profile cell phenotype and function, enabling simultaneous detection of more than 40 cellular targets in every precious sample.

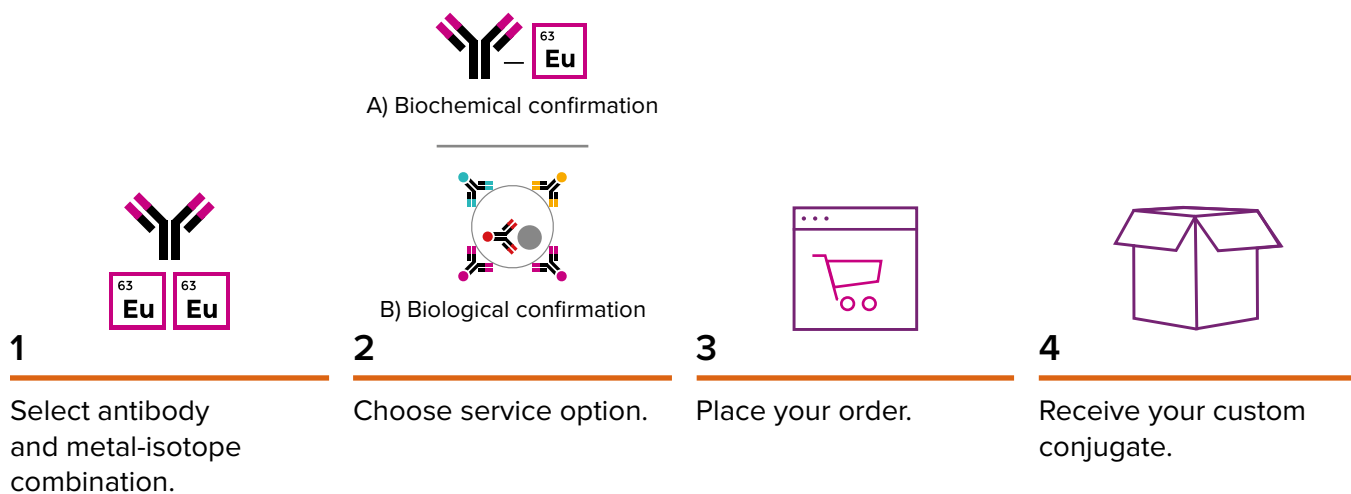
Whether you're building a 15- or 40-parameter mass cytometry panel, the extensive Fluidigm catalog of pre-conjugated antibodies and antibody panel kits will get you there.

We understand your panel design needs. If you have a proprietary antibody to add to your panel or require customized design, our Maxpar® Antibody Conjugation Service is committed to your success.

Select the desired isotope from our 44 high-purity metal tags (including Bi209, Y89, and 7 new cadmium tags), decide which confirmation method you prefer—biochemical analysis or more extensive biological functional testing—and place your order.

After our expert scientists perform the conjugation and analysis, we'll send your antibody conjugate along with a detailed analytic report.

Custom Conjugation Workflow



Highlights

Flexible—Extend your mass cytometry panels by adding metal-labeled targets not yet available in the Maxpar catalog.

Efficient—Save time and resources by letting the experts do the labeling and quality control for you.

Dependable—Conjugation service performed by our professional technicians ensures product with consistently high quality and reliable performance.

Custom Conjugation Service Specifications and Ordering Information

	Antibody Conjugation Service with Biological Confirmation	Antibody Conjugation Service with Biochemical Confirmation	
Biochemical analysis provided	Yes	Yes	
Biological confirmation performed	Yes (Available for Helios™/CyTOF only)*	No	
Staining profile and titer data	Yes	No	
Timeline	5 to 6 weeks from receipt of antibody	3 to 4 weeks from receipt of antibody	
Yield			
Standard scale Input 200 µg Purified, protein-free buffer	Cat. No. 3999999-1 Yield: 100 tests (1–3 x 10 ⁶ cells)	Cat. No. 3999999-2 Yield: 40 µg minimum	
Bulk scale Variable input mass of antibody Purified, protein-free buffer	Cat. No. 3999999-5 Extra 100-test vial Additional units of 100 tests each	Cat. No. 3999999-7 Yield: 200 µg minimum	Cat. No. 3999999-8 Yield: 600 µg minimum

*Not available for antibodies used on the Hyperion™ Imaging System

Ligands and buffer suitable for custom conjugation—IgG monoclonal and polyclonal antibodies are routinely conjugated. The feasibility of conjugating other antibody isotypes and proteins is considered on a case-by-case basis. To facilitate labeling, ligands must be provided purified, unconjugated and in a protein-free buffer at minimum concentration of 0.5 mg/mL.

Source of antibodies—Antibodies to be custom-conjugated may be either provided by the customer or purchased from a commercial source. Where Fluidigm purchases an antibody on behalf of a customer, the cost is quoted and billed as a separate line item, Cat. No. 3999999-3, Antibody Material Handling Charge.

Quality control—All custom conjugations are subject to rigorous biochemical confirmation, including inductively coupled plasma mass spectrometry, determination of concentration and yield and assessment of ratio of attachment of metal atoms to antibody. Optionally available biological confirmation service involves empirical testing by CyTOF® on cells, where the optimal titer is determined, and the conjugate is formulated for delivery in a 100-test vial.

To learn more about Maxpar Custom Conjugation Services contact your local Field Application Specialist or Sales Representative.

fluidigm.com/customconjugationservice

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