



## **BAC adds IgM and IgA matrices to its CaptureSelect<sup>®</sup> Toolbox for antibody purification**

*- new products address significant gaps in the antibody purification market*

**Naarden, The Netherlands, 21<sup>st</sup> April 2008** – BAC BV, the Bio Affinity Company, today announced the addition of two new products to its CaptureSelect<sup>®</sup> Antibody Toolbox. The new products, affinity matrices for the purification of IgA and IgM, address a substantial need in the antibody purification market, which up until now has had no satisfactory purification media for these antibody types. Both IgA and IgM are regarded as important potential therapeutics and the CaptureSelect IgA and IgM affinity products will make research and development in this area simpler, more efficient and more viable. The new products are available for purchase through the Company's product website, [www.captureselect.com](http://www.captureselect.com).

The CaptureSelect IgA and IgM products offer unparalleled specificity and product purity in a one-step purification process. CaptureSelect Human IgA affinity matrix contains an affinity ligand that binds to a unique domain that is present on all subclasses of human IgA, with no cross reactivity with IgM or IgG. The CaptureSelect IgM affinity matrix contains an affinity ligand that is directed towards a unique domain that is present on both human and mouse IgM antibodies, and offers no cross-reactivity with human or mouse IgA or IgM.

"The products in our CaptureSelect Antibody Toolbox range simplify and streamline the purification of antibodies in the lab," explained Mark ten Haaft, Director of Ligand Application at BAC. "We have developed standardized protocols that enable researchers to follow a simple one-step process with no need for method testing or lengthy optimization steps. Additionally, the unique specificity of the products provides researchers with total confidence that the affinity matrix they choose will be a perfect match for their target".

Laurens Sierkstra, CEO of BAC, commented: "We are very pleased to add these products to our off-the-shelf range and address such an important market need. The CaptureSelect Antibody Toolbox allows us to make the technology that we have already proven at industrial scale, accessible at an R&D scale for bench research."

The CaptureSelect Antibody Toolbox contains the following additional products:

- CaptureSelect Fab kappa affinity matrix: for all human antibodies containing kappa light chains
- CaptureSelect Fab lambda affinity matrix: for all human antibodies containing lambda light chains
- CaptureSelect Human Fc affinity matrix: for all subclasses of human IgG
- CaptureSelect Multi Species affinity matrix: for IgG from multiple species

BAC's CaptureSelect ligands have been used for a wide variety of purification needs, from monoclonal antibody and virus purification to plasma protein depletion. The Antibody Toolbox products can solve virtually any purification challenge for a range of antibody formats including Fc fusion proteins, antibody fragments, and all antibody classes. The products in the Antibody Toolbox are produced using BAC's proprietary affinity ligand technology, based on the unique single chain antibodies found in Camelids, and manufactured using a completely animal component-free *S.cerevisiae* system.

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### **About BAC**

BAC BV – the Bio Affinity Company – offers a wide range of products and services for affinity purification of biological materials from complex media. The Company's proprietary CaptureSelect<sup>®</sup> affinity ligands, based on Camelid single chain antibody fragments, have been proven to be suitable in a wide range of biological applications including Life Science Research and Biomanufacturing.

CaptureSelect<sup>®</sup> ligand technology is based on selection of single chain antibody fragments with desirable chromatographic characteristics including robustness, high specificity and flexibility. Suitable ligands are cloned and expressed in high-titers through an animal-free *Saccharomyces cerevisiae*-based process.

BAC BV was established in 1995 as a Unilever subsidiary. Currently the Company employs 28 people with an R&D laboratory facility and a state-of-the-art ISO 9001 certified manufacturing plant located in The Netherlands. For

more information about BAC, visit our website at [www.bac.nl](http://www.bac.nl). For more information about CaptureSelect® products, visit our website at [www.captureselect.com](http://www.captureselect.com)

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