



**CaptureSelect<sup>®</sup>**

Antibody Toolbox

Antibody purification made easy



The **Affinity** Experts

## CaptureSelect®

BAC's CaptureSelect purification and affinity chromatography separation products are provided for the discovery, preclinical and clinical manufacturing of therapeutic proteins, including

antibodies and antibody fragments. These products, based on single-domain [VHH] antibody fragments, enable increased purity and yield, a reduction of time-to-market and an overall lower cost for biopharmaceutical drug development.

### CaptureSelect® Antibody Toolbox®

The CaptureSelect Antibody Toolbox contains a number of products designed to enhance the success of your antibody purification processes. The Toolbox offers specific advantages over Protein A, G and L, including unique target specificity and simplified elution protocols. Each product has a defined target specificity for distinct antibody populations, removing the need for time-consuming testing of media to determine the optimal choice. With CaptureSelect, each product you choose is a perfect fit to your experimental requirements.

The CaptureSelect Antibody Toolbox can be made available as slurries, providing optimal flexibility to the end-user, as pre-packed columns and for use in high-throughput process development.

#### Unique Domain Selectivity and Species Specificity

BAC has focused on all the separate domains of an antibody to offer a range of affinity resins that can be used to purify virtually all antibody formats.

##### Fc domain

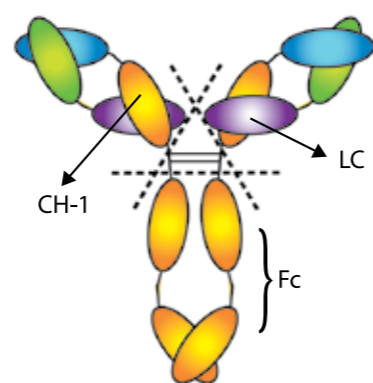
BAC has used the Fc domain of the IgG isotype to generate affinity resins that are human specific and bind to all subclasses without any cross-binding to non-primate species.

##### CH-1 domain

Ligands targeting the CH1 domain of IgG's can be used for efficient purification of both full length IgG's and Fab fragments, without co-purification of free light chains.

##### LC domain (kappa and lambda)

With resins binding to the constant domain of either the kappa or the lambda light chain BAC has the ideal solution for purification of any antibody format containing a light chain.



Schematic of an antibody, depicting the separate domains.

### CaptureSelect Antibody Toolbox Products

Materials are available as slurries in standard sizes of 5, 10 and 50ml of resin. Custom sizes, up to liter scale, are available on request.

CaptureSelect	Product Code	Main Species*	Negative*	Applications
<b>IgG all Subclasses</b>				
IgG-Fc (Hu)	0822	<b>Human</b> , Pr	Bo, Mo, Rat, Rb	IgG, Fc fragments and Fc-fusions, Poly IgG
IgG-Fc (ms)	191.2855	<b>Multi-Species</b> , Hu, Pr, Rat, Mo, Gp, Bo, Hr, Gt, Sh	Ch	IgG, Fc fragments and Fc-fusions, Poly IgG
IgG-CH1	191.3120	<b>Human</b> , Pr, Hr, Dog, Cat, Gp, Do	Bo, Mo, Rat, Rb	IgG, Fab fragments, Poly IgG
<b>IgG Subclass Specific</b>				
IgG-1 (Hu)	191.3030	<b>Human</b> , Pr	Bo, Mo, Rat, Rb	IgG1, Fab fragments
IgG-3 (Hu)	191.3040	<b>Human</b> , Pr	Bo, Mo, Rat, Rb	IgG3
IgG-4 (Hu)	2900	<b>Human</b> , Pr	Bo, Mo, Rat, Rb	IgG4
<b>Isotype Specific</b>				
IgM	2890	<b>Human</b> , Pr, Mo, Rat	Bo, Rb	IgM
IgA	2880	<b>Human</b> , Pr	Bo, Mo, Rat, Rb	IgA, IgA dimers, secretory IgA (sIgA)
<b>Light Chains</b>				
LC-kappa (Hu)	0833	<b>Human</b> , Pr	Bo, Mo, Rat, Rb	IgG, IgM, IgA, IgD, IgE, Fab fragments, Poly Ig
LC-kappa (mur)	191.3150	<b>Mouse</b> , Rat, Gp	Hu, Bo, Rb	IgG, IgM, IgA, IgD, IgE, Fab fragments, Poly Ig
LC-lambda (Hu)	0849	<b>Human</b> , Pr	Bo, Mo, Rat, Rb	IgG, IgM, IgA, IgD, IgE, Fab fragments, Poly Ig
LC-lambda (ung)	191.3140	<b>Ungulates</b> , Bo, Hr, Do, Gt, Sh, Pig	Hu, Mo, Rat, Rb	IgG, IgM, IgA, IgD, IgE, Fab fragments, Poly Ig, Bovine IgG scavenging

\*A selection of the species that have been tested. Refer to the product sheet or contact BAC for more detailed information. Hu = human, Pr = primates, Bo = Bovine, Hr = Horse, Gt = goat, Sh = sheep, Do = donkey, Gp = guinea pig, Mo = mouse, Rb = rabbit, Ch = chicken, ms = multi species, mur = murine, ung = ungulate (hoofed animals like horse, sheep, cow...)

### Antibody purification made easy with CaptureSelect® Antibody Toolbox

Detailed information on the individual resins (product sheets, list prices) can be found at [www.captureselect.com/shop](http://www.captureselect.com/shop)

To order, visit our online web shop or send your order to [ligands@captureselect.com](mailto:ligands@captureselect.com) or fax +31 356 949 576

Warranty: Antibody toolbox affinity matrices of BAC BV are supplied for research use only and are intended to be used by a technically qualified individual. BAC BV makes no claim of suitability for use of antibody toolbox affinity matrices in applications regulated by FDA.



CaptureSelect **Antibody Toolbox** provides:

- Unique selectivity
- High purity in a single step
- Increased yield
- Flexible formats
- Species specificity



The **Affinity** Experts

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