

## **A-2003-3: Mouse Anti-BlaR Monoclonal Antibody Clone BCA12-15**

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| <b>Product Name:</b>        | Mouse Anti-BlaR Monoclonal Antibody Clone BCA12-15   |
| <b>Catalogue No:</b>        | A-2003-3   |
| <b>Immunogen:</b>           | BlaR-CTD from <i>Staphylococcus aureus</i> in complex with ampicillin  |
| <b>Source/Host:</b>         | Mice   |
| <b>Purity/Purification:</b> | Affinity purified through a Protein A/Protein G-agarose column   |
| <b>Clone:</b>               | Monoclonal, Clone BCA12-15   |
| <b>Antibody Class:</b>      | IgG  |
| <b>Species reactivity:</b>  | Specific to BlaR from <i>S. aureus</i>   |
| <b>Form:</b>                | Liquid   |
| <b>Concentration:</b>       | 1.0 mg/ml (in 20 mM sodium phosphate pH7.4/0.15 M NaCl/0.02% sodium azide). Protein concentration is determined by UV absorbance method. |
| <b>Size:</b>                | 0.2 mg or 1.0 mg   |
| <b>Storage:</b>             | Keep at -20°C for up to 1 year and at 4°C for 3 months. Avoid repeated freeze-and-thaw.  |
| <b>Applications:</b>        | ELISA and immunoprecipitation: Tested  |
| <b>Shipping:</b>            | May be shipped with ice packs or dry ice.  |

### **Brief description about the mouse anti-BlaR monoclonal antibody clone BCA12-15:**

This monoclonal antibody was generated from Balb/c mice immunized with recombinant BlaR-carboxy-terminal domain (CTD) from *S. aureus* in complex with ampicillin (amp) (BlaR-CTD-amp) It binds specifically to BlaR from *S. aureus* and recombinant BlaR-CTD expressed in *E. coli* as demonstrated by ELISA and immunoprecipitation assays. This mAb appears to have similar binding affinity to free BlaR-CTD and BlaR-CTD BlaR-CTD in complex with beta lactam (e.g., BlaR-CD-amp and BlaR-CTD-penicillin G). Its potential cross-reaction with BlaR from other species of bacteria was not tested.

The optimal working dilutions for each specific application should be determined by the user empirically. We recommend start with 1:1000 for ELISA and 1:200 for immunoprecipitation.

(Produced by Imgen BioSciences, Inc., March, 2011)