

## **A-2003-1: Mouse Anti-BlaR Monoclonal Antibody Clone BCA1-1**

<b>Product Name:</b>	Mouse Anti-BlaR Monoclonal Antibody Clone BCA1-1
<b>Catalogue No:</b>	A-2003-1
<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 BCA1-1
<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 BCA1-1:**

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)