



# bla Antibody

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| <b>Product Code</b>        | CSB-PA352353YA01ENL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Uniprot No.</b>         | P62593                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen</b>           | Recombinant Escherichia coli Beta-lactamase TEM protein (24-286AA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Raised In</b>           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species Reactivity</b>  | Escherichia coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tested Applications</b> | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Relevance</b>           | TEM-type are the most prevalent beta-lactamases in enterobacteria; they hydrolyze the beta-lactam bond in susceptible beta-lactam antibiotics, thus conferring resistance to penicillins and cephalosporins. TEM-3 and TEM-4 are capable of hydrolyzing cefotaxime and ceftazidime. TEM-5 is capable of hydrolyzing ceftazidime. TEM-6 is capable of hydrolyzing ceftazidime and aztreonam. TEM-8/CAZ-2, TEM-16/CAZ-7 and TEM-24/CAZ-6 are markedly active against ceftazidime. IRT-4 shows resistance to beta-lactamase inhibitors. |
| <b>Form</b>                | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Conjugate</b>           | Non-conjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Buffer</b>      | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purification Method</b> | >95%, Protein G purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>             | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Clonality</b>           | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Alias</b>               | Beta-lactamase TEM (EC 3.5.2.6) (IRT-4) (Penicillinase) (TEM-1) (TEM-16/CAZ-7) (TEM-2) (TEM-24/CAZ-6) (TEM-3) (TEM-4) (TEM-5) (TEM-6) (TEM-8/CAZ-2), bla; blaT-3; blaT-4; blaT-5; blaT-6,                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>             | Escherichia coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Research Area</b>       | Others                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Target Names</b>        | bla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |