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## Product Datasheet

### **Anti-Carbonic Anhydrase I/CA1 Picoband Antibody (monoclonal, 4D5), Clone: [Clone: 4D5], Mouse, Monoclonal BOB-M00170-1**

|                            |                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Anti-Carbonic Anhydrase I/CA1 Picoband Antibody (monoclonal, 4D5), Clone: [Clone: 4D5], Mouse, Monoclonal                                                                                                                                                    |
| Biozol Catalog Number      | BOB-M00170-1                                                                                                                                                                                                                                                 |
| Supplier Catalog Number    | M00170-1                                                                                                                                                                                                                                                     |
| Alternative Catalog Number | BOB-M00170-1-100UG                                                                                                                                                                                                                                           |
| Manufacturer               | Boster Bio                                                                                                                                                                                                                                                   |
| Host                       | Mouse                                                                                                                                                                                                                                                        |
| Category                   | Antikörper                                                                                                                                                                                                                                                   |
| Application                | FC, IHC, WB                                                                                                                                                                                                                                                  |
| Species Reactivity         | Human, Mouse, Rat                                                                                                                                                                                                                                            |
| Immunogen                  | E.coli-derived human CA1 recombinant protein (Position: D9-F261). Human CA1 shares 78.5% and 81% amino acid (aa) sequence identity with mouse and rat CA1, respectively.                                                                                     |
| Product Description        | Boster Bio Anti-Carbonic Anhydrase I/CA1 Picoband Antibody (monoclonal, 4D5) catalog M00170-1. Tested in Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that ... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                   |
| Concentration              | Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.                                                                                                                                                                                    |
| Clone Designation          | [Clone: 4D5]                                                                                                                                                                                                                                                 |

|                    |                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular Weight   | Observed Molecular Weight: 29 kDa. Calculated Molecular Weight: 46659 MW                                                                                                            |
| NCBI               | <a href="#">759</a>                                                                                                                                                                 |
| UniProt            | <a href="#">P00915</a>                                                                                                                                                              |
| Buffer             | Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                           |
| Purity             | Immunogen affinity purified.                                                                                                                                                        |
| Form               | Lyophilized                                                                                                                                                                         |
| Target             | Carbonic anhydrase 1                                                                                                                                                                |
| Application Dilute | Western blot, 0.25-0.5µg/ml, Human, Mouse, Rat<br>Immunohistochemistry (Paraffin-embedded Section), 2-5µg/ml,<br>Human Flow Cytometry (Fixed), 1-3µg/1x10 <sup>6</sup> cells, Human |