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## Product Datasheet

### **S100B(4C4.9), 0.2mg/mL, Clone: [4C4.9], Mouse, Monoclonal BOT-BNUB0143-100**

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | S100B(4C4.9), 0.2mg/mL, Clone: [4C4.9], Mouse, Monoclonal                                                                                                                                                                                                     |
| Biozol Catalog Number      | BOT-BNUB0143-100                                                                                                                                                                                                                                              |
| Supplier Catalog Number    | BNUB0143-100                                                                                                                                                                                                                                                  |
| Alternative Catalog Number | BOT-BNUB0143-100-100UL                                                                                                                                                                                                                                        |
| Manufacturer               | Biotium                                                                                                                                                                                                                                                       |
| Host                       | Mouse                                                                                                                                                                                                                                                         |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | IF, IHC, WB                                                                                                                                                                                                                                                   |
| Species Reactivity         | Bovine, Human, Mouse, Rat                                                                                                                                                                                                                                     |
| Immunogen                  | Purified bovine brain S100 protein                                                                                                                                                                                                                            |
| Product Description        | S100 belongs to the family of calcium binding proteins. S100A and S100B proteins are two members of the S100 family. S100A is composed of an alpha and a beta chain whereas S100B is composed of two beta chains. This antibody is specific against an epi... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                    |
| Concentration              | 0.2 mg/mL                                                                                                                                                                                                                                                     |
| Clone Designation          | [4C4.9]                                                                                                                                                                                                                                                       |
| Molecular Weight           | 10-12 kDa                                                                                                                                                                                                                                                     |
| UniProt                    | <a href="#">P04271</a>                                                                                                                                                                                                                                        |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buffer            | PBS, 0.05% BSA, 0.05% azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Source            | Animal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Application Notes | <p>Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody Immunofluorescence: 1-2 ug/mL Immunohistology formalin-fixed 0.25-0.5 ug/mL Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes Flow Cytometry 0.5-1 ug/million cells/0.1 mL Western blotting 0.5-1 ug/mL Optimal dilution for a specific application should be determined by user</p> |