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## Product Datasheet

### **CD31 / PECAM-1(C31.10), 1mg/mL, Clone: [C31.10], Mouse, Monoclonal BOT-BNUM0848-50**

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | CD31 / PECAM-1(C31.10), 1mg/mL, Clone: [C31.10], Mouse, Monoclonal                                                                                                                                                                                            |
| Biozol Catalog Number      | BOT-BNUM0848-50                                                                                                                                                                                                                                               |
| Supplier Catalog Number    | BNUM0848-50                                                                                                                                                                                                                                                   |
| Alternative Catalog Number | BOT-BNUM0848-50-50UL                                                                                                                                                                                                                                          |
| Manufacturer               | Biotium                                                                                                                                                                                                                                                       |
| Host                       | Mouse                                                                                                                                                                                                                                                         |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | FC, IHC, WB                                                                                                                                                                                                                                                   |
| Species Reactivity         | Human                                                                                                                                                                                                                                                         |
| Immunogen                  | Recombinant human CD31 protein                                                                                                                                                                                                                                |
| Product Description        | CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules. CD31 is expressed by stem cells of the hematopoietic system and is primarily used to identify and concentrate these cells for experime... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                    |
| Concentration              | 1 mg/mL                                                                                                                                                                                                                                                       |
| Clone Designation          | [C31.10]                                                                                                                                                                                                                                                      |
| Molecular Weight           | ~100 kDa (endothelium) and ~130 kDa (platelets)                                                                                                                                                                                                               |
| UniProt                    | <a href="#">P16284</a>                                                                                                                                                                                                                                        |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buffer            | PBS, no BSA, no azide                                                                                                                                                                                                                                                                                                                                                                                   |
| Source            | Animal                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application Notes | Immunohistology formalin-fixed 1-2 ug/mL Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes Immunofluorescence 0.5-1 ug/mL Flow Cytometry 0.5-1 ug/million cells/0.1 mL Reacts weakly with rat, others not known Optimal dilution for a specific application should be determined by user |