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## Product Datasheet

### Anti-Hu CD3 Purified Low Endotoxin, Clone: [UCHT1], Monoclonal EXB-12-514-C100

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Anti-Hu CD3 Purified Low Endotoxin, Clone: [UCHT1], Monoclonal                                                                                                                                                                                                |
| Biozol Catalog Number      | EXB-12-514-C100                                                                                                                                                                                                                                               |
| Supplier Catalog Number    | 12-514-C100                                                                                                                                                                                                                                                   |
| Alternative Catalog Number | EXB-12-514-C100                                                                                                                                                                                                                                               |
| Manufacturer               | EXBIO                                                                                                                                                                                                                                                         |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | FA, FC, IHC-Fr, IP, MC                                                                                                                                                                                                                                        |
| Species Reactivity         | Human, Primate                                                                                                                                                                                                                                                |
| Immunogen                  | human thymocytes followed by Sezary T cells                                                                                                                                                                                                                   |
| Product Description        | CD3 complex is crucial in transducing antigen-recognition signals into the cytoplasm of T cells and in regulating the cell surface expression of the TCR complex. T cell activation through the antigen receptor (TCR) involves the cytoplasmic tails of t... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                    |
| Concentration              | 1 mg/ml                                                                                                                                                                                                                                                       |
| Clone Designation          | [UCHT1]                                                                                                                                                                                                                                                       |
| Isotype                    | Mouse IgG1                                                                                                                                                                                                                                                    |
| Buffer                     | Phosphate buffered saline (PBS), pH 7.4                                                                                                                                                                                                                       |
| Storage                    | 2°C to 8°C                                                                                                                                                                                                                                                    |

|                   |                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target            | CD3                                                                                                                                                                                                                                                                                                                                                             |
| Antibody Type     | Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                             |
| Application Notes | <p>Functional application: The immobilized UCHT1 antibody initiates a signaling pathway resulting in T cell activation and proliferation.</p> <p>Immunocytochemistry and immunohistochemistry (frozen sections): The epitope for UCHT1 is resistant to fixation. Flow cytometry: Extracellular and intracellular staining, recommended dilution: 1-4 µg/ml.</p> |