

| CERTIFICATE OF ANALYSIS                                           |                                                                                                                                                      |               |
|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Product Name :                                                    | Bulk Anti-Human CD7 (T3-3A1) Antibody                                                                                                                |               |
| Product No .:                                                     | ICH1158                                                                                                                                              |               |
| Clone No .:                                                       | T3-3A1                                                                                                                                               |               |
| Lot Number :                                                      | 0326L370                                                                                                                                             |               |
| Storage :                                                         | 2-8 °C Short-term or ≤ -70 °C Long-term                                                                                                              |               |
| Formulation :                                                     | 0.01M Phosphate Buffered Saline, pH 7.4 (1X PBS)<br>No carrier protein, potassium, or preservatives added                                            |               |
| Country of Origin :                                               | United Kingdom                                                                                                                                       |               |
| Test                                                              | Specification                                                                                                                                        | Result        |
| Appearance                                                        | Clear and Colorless                                                                                                                                  | Conforms      |
| pH Determination                                                  | 7.2-7.4                                                                                                                                              | 7.2           |
| Endotoxin                                                         | 1 EU/mg                                                                                                                                              | Conforms      |
| Concentration :<br>Spectrophotometry<br>$A_{280nm} E^{0.1\%} 1.4$ | 12.0±1.0 mg/ml                                                                                                                                       | 12.6 mg/ml    |
| Purity Determination by<br>SDS-PAGE Reduced:                      | Two main intense bands representing Ig Heavy and Light chain. Pattern compares in size and intensity to retain samples on the same gel if available. | Conforms      |
| Purity Determination by<br>SDS-PAGE Non-Reduced:                  | Pattern compares in size and intensity to retain samples on the same gel if available.                                                               | Conforms      |
| Purity by Analytical<br>SEC (%monomer)                            | Single peak representing ≥ 95% Monomer                                                                                                               | > 98% Monomer |

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