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## Product Datasheet

### **Spectrin beta III (SPTBN2) (SPTBN2/1582), CF647 conjugate, 0.1mg/mL, Clone: [SPTBN2/1582], Mouse, Monoclonal BOT-BNC471582-100**

|                            |                                                                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Spectrin beta III (SPTBN2) (SPTBN2/1582), CF647 conjugate, 0.1mg/mL, Clone: [SPTBN2/1582], Mouse, Monoclonal                                                                                                                                                   |
| Biozol Catalog Number      | BOT-BNC471582-100                                                                                                                                                                                                                                              |
| Supplier Catalog Number    | BNC471582-100                                                                                                                                                                                                                                                  |
| Alternative Catalog Number | BOT-BNC471582-100-100UL                                                                                                                                                                                                                                        |
| Manufacturer               | Biotium                                                                                                                                                                                                                                                        |
| Host                       | Mouse                                                                                                                                                                                                                                                          |
| Category                   | Antikörper                                                                                                                                                                                                                                                     |
| Application                | FC, IHC, WB                                                                                                                                                                                                                                                    |
| Species Reactivity         | Human                                                                                                                                                                                                                                                          |
| Immunogen                  | Recombinant human SPTBN2 fragment (aa356-475) (exact sequence is proprietary)                                                                                                                                                                                  |
| Conjugation                | CF647                                                                                                                                                                                                                                                          |
| Product Description        | Spectrin is an actin binding protein that is a major component of the plasma membrane skeleton. Spectrins function as membrane organizers and stabilizers by forming dimers, tetramers and higher polymers. Vertebrate spectrins have two alpha-subunits (...) |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                     |
| Concentration              | 0.1 mg/mL                                                                                                                                                                                                                                                      |
| Clone Designation          | [SPTBN2/1582]                                                                                                                                                                                                                                                  |

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|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular Weight  | 246 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt           | <a href="#">O15020</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Buffer            | PBS, 0.1% BSA, 0.05% azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source            | Animal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Application Notes | Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody ELISA: 2-4 ug/mL for coating order Ab without BSA Immunofluorescence: 0.5-1 ug/mL Immunohistology (formalin): 0.5-1 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 min 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 |