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## Product Datasheet

### **Thymidylate Synthase (5-FU Resistance Marker)(rTYMS/1884), 1mg/mL, Clone: [rTYMS/1884], Mouse, Monoclonal BOT-BNUM3812-50**

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Thymidylate Synthase (5-FU Resistance Marker)(rTYMS/1884), 1mg/mL, Clone: [rTYMS/1884], Mouse, Monoclonal                                                                                                                                                     |
| Biozol Catalog Number      | BOT-BNUM3812-50                                                                                                                                                                                                                                               |
| Supplier Catalog Number    | BNUM3812-50                                                                                                                                                                                                                                                   |
| Alternative Catalog Number | BOT-BNUM3812-50-50UL                                                                                                                                                                                                                                          |
| Manufacturer               | Biotium                                                                                                                                                                                                                                                       |
| Host                       | Mouse                                                                                                                                                                                                                                                         |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | FC, IF                                                                                                                                                                                                                                                        |
| Species Reactivity         | Human                                                                                                                                                                                                                                                         |
| Immunogen                  | Recombinant human thymidylate synthase protein fragment (around aa 60-174) (exact sequence is proprietary)                                                                                                                                                    |
| Product Description        | Recognizes a protein of 36 kDa, identified as Thymidylate Synthase (TS) (EC 2. 1. 1. 45). It converts deoxyuridine monophosphate (dUMP) to deoxythymidine monophosphate (dTMP), which is essential for DNA biosynthesis. TS is also a critical target for ... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                    |
| Concentration              | 1 mg/mL                                                                                                                                                                                                                                                       |
| Clone Designation          | [rTYMS/1884]                                                                                                                                                                                                                                                  |
| Molecular Weight           | 36 kDa                                                                                                                                                                                                                                                        |

|                   |                                                                                                                                                                                                                                                                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt           | <a href="#">P04818</a>                                                                                                                                                                                                                                                                                                                       |
| Buffer            | PBS, no BSA, no azide                                                                                                                                                                                                                                                                                                                        |
| Source            | Animal                                                                                                                                                                                                                                                                                                                                       |
| Application Notes | ELISA: For coating, order antibody without BSA, Flow cytometry: 0.5-1 ug/million cells, Immunofluorescence: 0.5-1 ug/mL, Optimal dilution for a specific application should be determined.   Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody |