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## Product Datasheet

### **Thymidylate Synthase(TS106), 1mg/mL, Clone: [TS106], Mouse, Monoclonal BOT-BNUM0714-50**

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Thymidylate Synthase(TS106), 1mg/mL, Clone: [TS106], Mouse, Monoclonal                                                                                                                                                                                        |
| Biozol Catalog Number      | BOT-BNUM0714-50                                                                                                                                                                                                                                               |
| Supplier Catalog Number    | BNUM0714-50                                                                                                                                                                                                                                                   |
| Alternative Catalog Number | BOT-BNUM0714-50-50UL                                                                                                                                                                                                                                          |
| Manufacturer               | Biotium                                                                                                                                                                                                                                                       |
| Host                       | Mouse                                                                                                                                                                                                                                                         |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | IHC                                                                                                                                                                                                                                                           |
| Species Reactivity         | Human                                                                                                                                                                                                                                                         |
| Immunogen                  | Recombinant human thymidylate synthase                                                                                                                                                                                                                        |
| Product Description        | This antibody recognizes a protein of 36 kDa, identified as Thymidylate Synthase (TS) (EC 2.1.1.45). TS converts deoxyuridine monophosphate (dUMP) to deoxythymidine monophosphate (dTMP), which is essential for DNA biosynthesis. TS is also a critical ... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                    |
| Concentration              | 1 mg/mL                                                                                                                                                                                                                                                       |
| Clone Designation          | [TS106]                                                                                                                                                                                                                                                       |
| Molecular Weight           | 36 kDa                                                                                                                                                                                                                                                        |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt           | <a href="#">P04818</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Buffer            | PBS, no BSA, no azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Source            | Animal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application Notes | <p>Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody Immunofluorescence: 0.5-1 ug/mL Immunohistology formalin-fixed 1-2 ug/mL Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes Flow Cytometry 0.5-1 ug/million cells/0.1 mL Optimal dilution for a specific application should be determined by user</p> |