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## Product Datasheet

### **Recombinant Thymidylate Synthase Antibody, Clone: [rTYMS/1884], Mouse, Monoclonal NSJ-V8144-100UG**

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Recombinant Thymidylate Synthase Antibody, Clone: [rTYMS/1884],<br>Mouse, Monoclonal                                                                                                                                                                          |
| Biozol Catalog Number      | NSJ-V8144-100UG                                                                                                                                                                                                                                               |
| Supplier Catalog Number    | V8144-100UG                                                                                                                                                                                                                                                   |
| Alternative Catalog Number | NSJ-V8144-100UG                                                                                                                                                                                                                                               |
| Manufacturer               | NSJ Bioreagents                                                                                                                                                                                                                                               |
| Host                       | Mouse                                                                                                                                                                                                                                                         |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | FACS, IF                                                                                                                                                                                                                                                      |
| Species Reactivity         | Human                                                                                                                                                                                                                                                         |
| Immunogen                  | A recombinant human partial protein (amino acids 60-174) was used as the immunogen for the recombinant Thymidylate Synthase antibody.                                                                                                                         |
| Product Description        | It recognizes a protein of 36kDa, 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 t... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                    |
| Clone Designation          | [rTYMS/1884]                                                                                                                                                                                                                                                  |
| UniProt                    | <a href="#">P04818</a>                                                                                                                                                                                                                                        |

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|--------------------|-----------------------------------------------------------------------------------------------------------|
| Purity             | Protein G affinity chromatography                                                                         |
| Form               | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                                |
| Antibody Type      | Primary Antibody                                                                                          |
| Application Dilute | Flow cytometry: 1-2ug/million cells in 0.1ml, Immunofluorescence: 1-2ug/ml                                |
| Application Notes  | Optimal dilution of the recombinant Thymidylate Synthase antibody should be determined by the researcher. |