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## Product Datasheet

### **Mouse anti Human Microphthalmia Transcription Factor (MiTF), Clone: [C5/D5 Cocktail], Unconjugated, Monoclonal NMB-X2398M**

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Mouse anti Human Microphthalmia Transcription Factor (MiTF), Clone: [C5/D5 Cocktail], Unconjugated, Monoclonal                                                                                                                                                |
| Biozol Catalog Number      | NMB-X2398M                                                                                                                                                                                                                                                    |
| Supplier Catalog Number    | X2398M                                                                                                                                                                                                                                                        |
| Alternative Catalog Number | NMB-X2398M                                                                                                                                                                                                                                                    |
| Manufacturer               | NordicMubio                                                                                                                                                                                                                                                   |
| Host                       | Mouse                                                                                                                                                                                                                                                         |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | Gel Supershift Assays, IHC, IP, WB                                                                                                                                                                                                                            |
| Species Reactivity         | Human, Mouse, Rat                                                                                                                                                                                                                                             |
| Conjugation                | Unconjugated                                                                                                                                                                                                                                                  |
| Product Description        | There are two known isoforms of MiTF differing by 66 amino acids at the NH2 terminus. Shorter forms are expressed in melanocytes and run as two bands at 52kDa and 56kDa, while the longer Mi form runs as a cluster of bands at 60-70kDa in osteoclasts a... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                    |
| Concentration              | See vial for concentration                                                                                                                                                                                                                                    |
| Clone Designation          | [C5/D5 Cocktail]                                                                                                                                                                                                                                              |
| Isotype                    | IgG1, IgG1                                                                                                                                                                                                                                                    |

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| UniProt           | <a href="#">O75030</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Buffer            | In Western blotting, it recognizes a doublet of 52-56kDa, identified as serine-phosphorylated and unphosphorylated forms of melanocytic isoforms of microphthalmia (Mi) transcription factor                                                                                                                                                                                                                                                                                                       |
| Source            | Hybridoma produced by the fusion of splenocytes from RBF/DnJ mice immunized with an N-terminal fragment of human microphthalmia protein and mouse myeloma NS1 cells.                                                                                                                                                                                                                                                                                                                               |
| Purity            | Protein A/G Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Form              | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Formula           | Provided as solution in phosphate buffered saline with 0.08% sodium azide                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Application Notes | This antibody cocktail of clone C5 and D5 can be used for gel supershift assays, immunoprecipitation (2 µg/mg of protein lysate), Western blotting (1 µg/ml) and immunohistochemistry on frozen and formalin/paraffin tissue sections. Optimal concentration should be evaluated by serial dilutions. In Western blotting, it recognizes a doublet of 52-56kDa, identified as serine-phosphorylated and unphosphorylated forms of melanocytic isoforms of microphthalmia (Mi) transcription factor |