

Mouse anti-Human MUM1

Clone MRQ-8

Cat. no. MON 3318

Specificity

MON 3318 labels a 50kDa, multiple myeloma oncogen-1 (MUM1) protein. MUM1 is encoded by the MUM1/IRF-4 gene, which is mapped to 6q23-25 and identified as a myeloma-associated oncogene. It is a member of the interferon regulatory factor family of transcription factors and plays an important role in the regulation of gene expression in response to signaling by interferon and other cytokines. MUM1 positive cells express the protein in the nucleus in a diffuse and microgranular pattern. However, some positivity is also observed in the cytoplasm of MUM1-expressing cells. In normal/reactive lymphoid tissues, such as lymph node, this antibody stains plasma cells, some B-cells in the light zone of germinal centers, and a subset of T-cells (T-cells in germinal centers and interfollicular areas). MUM1 expression has been described in diffuse large B-cell lymphoma (DLBCL). MON 3318 can stain other B-cell lymphomas such as lymphoplasmacytic lymphoma, chronic lymphocytic leukemia, follicular lymphoma, marginal zone lymphoma, lymphoblastic lymphoma/leukemia, primary effusion lymphoma, DLBCL, Burkitt-like lymphoma, and classical Hodgkin lymphoma.

Immunoglobulin type

Mouse IgG1

Use

This antibody can be used in IHC Paraffin sections (1:100 – 1:500)

Presentation

1 ml supernatant in Tris Buffer, pH 7.3-7.7, with 1% BSA and <0.1% Sodium Azide

References

- Falini B, et al. Blood. 2000; 95:2084-92.
- Grossman A, et al. Genomics. 1996; 37:229-33.
- Neresh KN. Haematologica. 2007; 92:267-8.
- Van Imhoff GW, et al. J Clin Oncol. 2006; 24:4135-42.
- Gualco G, et al. Appl Immunohistochem Mol Morphol. 2010; 18:301-10.

Storage

Store antibody at 2-8°C until expiry date.

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