

FINAL DIAGNOSIS OF ROUND CELL TUMOUR IN BONE MARROW.^[1]

- Ewing sarcoma: MIC2/CD99 (invariably diffuse, cytoplasmic membranous immunoreexpression), NKX2.2, Fli1, coupled with negative expression of LCA.
- Neuroblastoma: Synaptophysin, chromogranin, neuron-specific enolase (NSE), and CD56.
- Non-Hodgkin's lymphomas: LCA, CD20, and other lineage specific markers, such as CD30 for ALCL (ALK+ or ALK-), Tdt for lymphoblastic lymphoma, etc.
- Small cell osteosarcoma: SATB2.
- Plasma cell dyscrasia/myeloma: CD138 (Syndecan-1), Kappa, and lambda for evaluating light chain restriction
- Rhabdomyosarcoma: Desmin, MyoD1, Myogenin
- Mesenchymal chondrosarcoma: MIC2/CD99 and Leu; S100 protein highlights the chondroid component.