Leukemia/Lymphoma Phenotyping Evaluation by Flow Cytometry
ARUP test code 3001780

Leuk/Lymph Phenotype, Impression

See Note

H=High, L=Low, *=Abnormal, C=Critical
SAMPLE: PERIPHERAL BLOOD

IMPRESSION:
CD20 positive monoclonal plasma cell population (approximately 45% of the leukocytes) indicative of plasma cell leukemia. See comment.

COMMENT:
Please correlate the results from this study morphologically and clinically and with appropriate laboratory testing including bone marrow evaluation for diagnosis.

Disclaimers: NA

ANALYSIS:
Differential:
16% lymphocytes
11% monocytes
27% myeloid cells
45% Atypical cells
Atypical cells: Plasma cells
Positive for: cytoplasmic Lambda light chain, CD20, CD38 (low), HLA-DR, dim to negative CD45
Negative for: CD19, CD22, CD56
Aberrant expression: CD20
Lymphocytes:
66% T-cells
22% NK-cells
8% B-cells
T-cells: Heterogeneous with normal CD4:CD8 ratio of 1.0
Mature B-cells:
Polytypic with a Kappa:Lambda ratio of 1.4
Positive: CD19, CD20, CD22
Negative: CD5, CD10
Myeloid cells: normal
Positive for: CD10 (partial), CD13, CD16, CD33, CD64
Negative for: CD14, CD117, HLA-DR
Mild left shift: 10% CD11b negative
CD34 positive myeloblasts: 0.7%. The numbers of myeloblasts appear in proportion to the left shift.
Positive for: CD13, CD34, CD117, HLA-DR
Negative for: CD64
Viability: 97%

Markers run: CD2, CD3, CD4, CD5, CD7, CD8, CD10, CD11b, CD13, CD15, CD16, CD19, CD20, CD22, CD33, CD34, CD38, CD45, CD56, CD57, CD64, surface Kappa, surface Lambda, Cyto Kappa, Cyto Lambda, CD117, HLA-DR

These results have been reviewed and approved by Archana Agarwal, MD.
11/02/2019 12:02

INTERPRETIVE INFORMATION: Leuk/Lymph Phenotyping, Flow Cytometry
Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement A: aruplab.com/CS

Leuk/Lymph Phenotype, Source
Blood

Number Of Markers
27 markers

H=High, L=Low, *=Abnormal, C=Critical
**VERIFIED/REPORTED DATES**

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