

Inspection unit: Shanghai Songjiang District Central Hospital

Barcode No.: 990129374507

Name: Yindi Miao	Type of Visit: Inpatient	Department: Hepatology Ward	Detection number: L251115-2
Gender: Female	Patient Category	Department	Sample Type: Bone Marrow
Age: 79 years old	Submitting Physician: Ruffeng Zhu Physician	Bed Number: 5306 Bed NO. Outpatient/Inpatient Number: 75000630437 Division NO.	Specimen Type Sample Status: Normal Appearance Specimen Status

Clinical Diagnosis: Infectious fever, gallstones, grade 1 hypertension (high risk), thrombocytopenia, kidney stones.

1、(Instrument and Method)

Detection instrument (Diagnostic Apparatus): DxFLEX

Detect the number of cells acquired (Acquired Cell Count): 100,000

Detection Method: Flow cytometry

Detection Antibody: CD10, CD103, CD117×2, CD11b, CD123, CD13, CD138, CD14, CD15, CD16×2, CD19×2, CD2, CD20, CD200, CD22, CD23, CD3, CD33, CD34, CD36, CD38×2, CD4, CD45, CD56×2, CD5×2, CD64, CD7, CD71, CD8 FMC7, HLA-DR×2, skappa, slambda

2、Cell Proportion and Immunophenotype Analysis

Cell population	Proportion	Immunophenotypic features
Lymphocytes Lymphocyte	54.39%	The relative proportions are increased, with T lymphocytes accounting for approximately 84.31% of lymphocytes and CD3+CD4+ accounting for approximately 47.93% of lymphocytes. CD3+CD8+ cells accounted for approximately 31.36% of lymphocytes, with a CD4/CD8 ratio of 1.53; mature B lymphocytes accounted for approximately 6.32% of lymphocytes; NK cells accounted for approximately 9.35% of lymphocytes; no significant abnormalities were observed in the immunophenotypes of any of the above subsets.
Monocytes Monocyte	4.26%	Mainly mature monocytes, with no obvious abnormalities in their immunophenotype.
Granulocytes Granulocyte	21.27%	Mainly eosinophils, accounting for approximately 20.02%, an increased proportion; basophils account for approximately 1.25%.
Primitive cells Blast Cell	0.41%	Early stage / Precursor B cells account for approximately 0.21% of nucleated cells, primitive myeloid cells account for approximately 0.20% of nucleated cells, and no obvious abnormalities were observed in any cellular immunophenotype.
Plasma cells Plasmocyte	0.56%	Mainly normal plasma cells, with no obvious abnormalities in their immunophenotype.
Nucleated erythrocytes Nucleated RBC	19.11%	Mainly nucleated erythrocytes, with no obvious abnormalities in their immunophenotype.

3、Interpretation (Interpretation)

Gating analysis using CD45/SSC dot plots revealed no cells with significant immunophenotype abnormalities.

4、Analysis Conclusion (Conclusion)

In this test, the relative proportions of lymphocytes (approximately 54.39%, with no abnormal immunophenotype) and eosinophils (approximately 20.02%) were both increased. Other cells without significant immunophenotype abnormalities were not observed. Please combine these findings with other test results, such as morphology, cytogenetics, and molecular biology, and make a comprehensive clinical judgment.

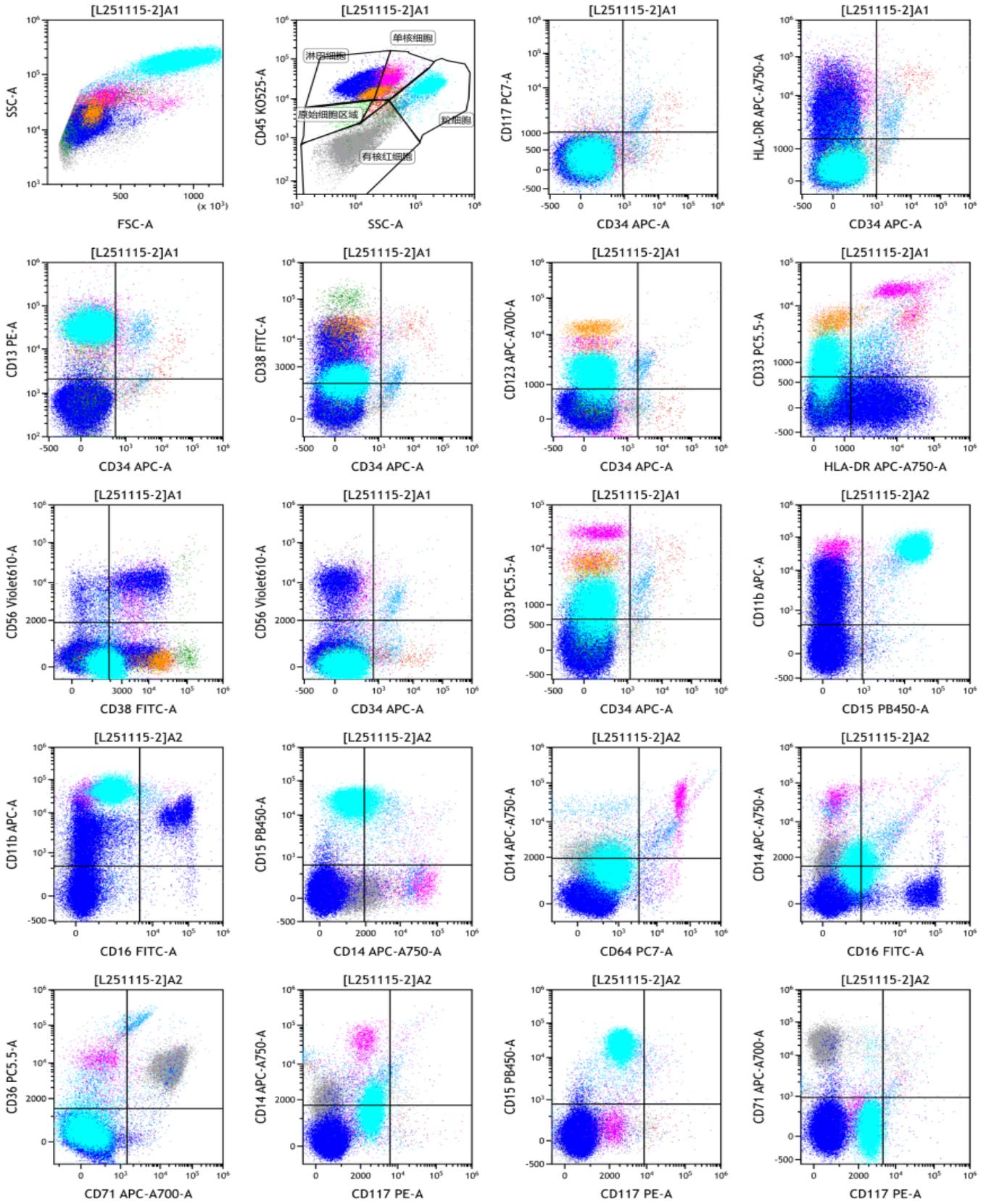
Yin and Yang definitions

Full expression: Expression rate \geq 80%
Partial expression: Cell membrane marker expression rate between 20% and 80%, cytoplasmic marker expression rate between 10% and 80% (no expression) / Negative: Cell membrane <20%, cytoplasm <10%

Fluorescence intensity definition

bri (strongly positive): Compared with the normal cell population expressing this antigen at this stage, antigen expression is enhanced (bri); dim (weakly positive): Compared with the normal cell population expressing this antigen at this stage, antigen expression is weakened (dim); heter (heterogeneity): The expression level of the detected antigen is not uniform in the positive cell population.

The steps of dissolving red blood cells during the experimental process, as well as factors such as sample dilution, hemolysis, and coagulation, may result in a high or low cell ratio. The results are for clinical reference only. If you have any questions, please raise them within one week after the report is issued. [the 1 Page/Total 3 pages](#)



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Reviewer: **Tao Tian**

Laboratory: Shanghai Dian

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Report Service

