



বঙ্গবন্ধু শেখ মুজিব মেডিক্যাল বিশ্ববিদ্যালয়
Bangabandhu Sheikh Mujib Medical University
DEPARTMENT OF MICROBIOLOGY

Patient ID:	19415-0660	Lab ID:	48523	Collection:	10/12/2023
Name:	FAHIM	Age:	17 yrs 0 m	Sex:	Male
Specimen:	Blood	Delivery:	13/12/2023		

Test: Leukemia Diagnostic Panel: Acute Leukemia (T, B and Myeloid) -Flow Cytometry

Gating strategy CD45 vs SSC

Events acquired 50000

Percent cells gated 37.0%

The peripheral blood specimen represents a suspicious cell cluster with low SSC and moderate CD45 in the blast and monocyte region about 37% of the total population. On gating and further analysis of these critical cells in the blast region, expresses the following immunophenotypic properties-

T Lymphoid	Percentage	Remarks	Results
cy CD3	0.20%	-	Negative
CD5	3.50%	-	Negative
CD7	0.10%	-	Negative
B Lymphoid			
CD19	87.80%	Moderate	Positive
CD79a	94.80%	Moderate to Bright	Positive
CD10	85.00%	Moderate	Positive
Myeloid			
CD13	1.50%	-	Negative
CD33	0.10%	-	Negative
CD117	0.20%	-	Negative
Anti-MPO	6.00%	-	Negative
Others			
CD45	13.00%	-	Negative
CD34	65.70%	Moderate to Bright	Positive
HLA-DR	94.00%	Moderate	Positive
Anti-TdT	0.10%	-	Negative

Interpretations

The overall immunophenotypic findings by flow cytometric analysis of the specimen provided is suggestive of B cell Acute Lymphoblastic Leukemia (B-ALL). Correlation with clinical features, peripheral blood smear findings, bone marrow morphology, prior treatment, history of blood transfusion and cytogenetic study are

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