

## FLOW CYTOMETRY REPORT- PNH evaluation

### Specimen:

Peripheral blood

### Antibodies:

Immunophenotypic analysis was performed using gating antibodies CD45, CD15, CD33, and the GPI-linked antibodies CD59, CD14, CD24, as well as fluorescent Aerolysin (FLAER).

### Flow Results:

Cell Type	Deficiency	Result
Red Blood Cells	Type I (normal CD59 expression)	%
	Type II (partial CD59 deficiency)	%
	Type III (complete CD59 deficiency)	%
Monocytes	FLAER/CD14 Deficiency	%
Granulocytes	FLAER/CD24 Deficiency	%

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**DIAGNOSIS:**      **WBC: PNH CLONE IDENTIFIED (      %)**  
                         **RBC: PNH CLONE IDENTIFIED (      %)**

**Comment:** Flow cytometric analysis shows a                  PNH clone within the RBCs, granulocytes/ monocytes\*. These findings are consistent with a diagnosis of paroxysmal nocturnal hemoglobinuria (PNH). Any potential difference in clone size between the white blood cells and the red blood cells may be due to hemolysis and/or recent transfusion.

Reference: Richards et al: Diagnosis and Management of PNH, Blood 2005, 106 (12)

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\* Delete whichever cell type that was not tested