



Laboratory Investigation Report

Patient Name	: Mast.Gurbaaz Singh	Centre	: 1066 - Max Hospital Mohali
Age/Gender	: 0 Y 6 M 17 D /M	OP/IP No/UHID	: IP/190592/MHLI-GNDFLR-PICU/MO-PICU-01/
MaxID/Lab ID	: MHLI.535193/0795022316958	Collection Date/Time	: 23/Feb/2023 05:26PM
Ref Doctor	: Manu Sharma	Reporting Date/Time	: 24/Feb/2023 03:58PM

Hematology Special



Flow Cytometry-Immunodeficiency Panel

Flow Cytometry Number: IM 034/2023

Specimen Type: Peripheral Blood
TLC (Total Leukocyte Count): **7.2 x 10⁹/L** (4.0-10.0)
Gating Strategy: SS vs CD45
Staining Method: Stain - Lyse - Wash
Equipment/ Software details: NAVIOS / Kaluza 2.1 Software
Total gated Lymphocytes: 63.0 %

On flow cytometry of peripheral blood

Total CD3+ cells	2862.7	cells/ul	63.11	% of gated lymphocytes
Total CD3+/CD4+ cells (Helper T cells)	1923.3	cells/ul	42.40	% of gated lymphocytes
Total CD3+/CD8+ cells	930.8	cells/ul	20.52	% of gated lymphocytes
CD4:CD8 Ratio	2.0:1			
CD19+B cells	1530.0	cells/ul	33.73	% of gated lymphocytes
CD16+/CD56+ NK cells	68.0	cells/ul	1.50	% of gated lymphocytes

cMPO expression on neutophils is normal.

Monocytes show normal expression for CD11b and CD11c.

IMPRESSION:

No deficient population of T & B lymphocytes seen on flow cytometry of peripheral blood with preversed CD4:CD8 ratio. NK cells are reduced.

Advise: Kindly correlate with clinical features.

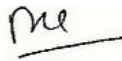
Expected reference range for T cell at this age is 1900 - 5900 cells/ul
Expected reference range for B cell at this age is 610 - 2600 cells/ul
Expected reference range for NK cell at this age is 160 - 950 cells/ul

Kindly correlate with clinical findings

*** End Of Report ***



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