

Patient ID SAMPLE	Patient Name PATIENT, TEST	Birth Date 1974-08-04	Sex M	Age 50
Order Number SAMPLE	Client Order Number SAMPLE	Ordering Physician SAMPLE	Report Notes Sample Report	
Account Information SAMPLE		Collected 22 Sep 2024 12:38		

T Cell Phenotyping, Advanced

CD4 (T Cells)

1416 cells/mcL

SDL

Reference Value
365–1437

CD8 (T Cells)

586 cells/mcL

SDL

Reference Value
171–846

%CD4+CD45RA+ naive T cells

33 % CD4

SDL

Reference Value
3–59

%CD4+CD62L+CD27+ naive T cells

33 % CD4

SDL

Reference Value
2–58

%CD8+CD45RA+ naive T cells

42 % CD8

SDL

Reference Value
6–84

%CD8+CD62L+CD27+naive T cells

20 % CD8

SDL

Reference Value
2–78

%CD4+CD45RO+ memory T cells

67 % CD4

SDL

Reference Value
15–69

%CD4+CD62L+CD27+CD45RO+ (Tcm)

 53 % CD4

SDL

Reference Value
6–47

%CD4+CD62L-CD27-CD45RO+ (Tem)

1.6 % CD4

SDL

Reference Value
0.7–12.0

%CD8+CD45RO+ memory T cells

 58 % CD8

SDL

Reference Value
4–49

%CD8+CD62L+CD27+CD45RO+ (Tcm)

 32 % CD8

SDL

Reference Value
1–18

%CD8+CD62L-CD27-CD45RO+ (Tem)

2 % CD8

SDL

Reference Value
0–6

%Activated CD4 T cells (4+CD25+)

15 % CD4

SDL

Reference Value
4–26

%CD4+HLA DR+CD28+ T cells

5 % CD4

SDL

Reference Value
2–13

%CD8+HLA DR+CD28+ T cells

15.1 % CD8

SDL

Reference Value
3.0–32.0

CD4+CD45RA+ naive T cells

467 cells/mcL

SDL

Reference Value
27–833

CD4+CD62L+CD27+ naive T cells

467 cells/mcL

SDL

Reference Value
11–824

CD8+CD45RA+ naive T cells

246 cells/mcL

SDL

Reference Value
19–508

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
SDL	Mayo Clinic Laboratories - Rochester Superior Drive	3050 Superior Drive NW, Rochester MN 55905	Nikola Baumann Ph.D.	24D1040592

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CD8+CD62L+CD27+naive T cells

117 cells/mcL

SDI

Reference Value
5–475

Activated CD4 T cells (4+CD25+)
 212 cells/mcL

SDI

Reference Value
30–207

CD4+CD45RO+ memory T cells
 949 cells/mcL
High

SDI

Reference Value
167–670

CD4+HLA DR+CD28+ T cells

71 cells/mcL

SDI

Reference Value
17–122

CD4+CD62L+CD27+CD45RO+ (Tcm)
 750 cells/mcL
High

SDI

Reference Value
58–413

CD8+HLA DR+CD28+ T cells

88 cells/mcL

SDI

Reference Value
13–155

CD4+CD62L-CD27-CD45RO+ (Tem)

23 cells/mcL

SDI

Reference Value
7–99

Interpretation

1 SDI

The relative distribution (percentage) of T cell subset immunophenotyping shows mild increase in total CD8 memory T cells CD8+CD45RO+, moderate increase in CD8 central memory T cells CD8+CD62L+CD27+CD45RO+ and mild increase in CD4 central memory T cells CD4+CD62L+CD27+CD45RO+. The relative distribution of all other T cell subsets is normal. The increase in CD4 and CD8 central memory T cells maybe due to recent antigenic exposure.

CD8+CD45RO+ memory T cells
 340 cells/mcL
High

SDI

Reference Value
15–275

Unable to provide additional interpretation without clinical information. Clinical correlation recommended.

CD8+CD62L+CD27+CD45RO+ (Tcm)
 188 cells/mcL
High

SDI

Reference Value
6–135

Reviewed by: Laboratory Consultant

CD8+CD62L-CD27- CD45RO+ (Tem)

12 cells/mcL

SDI

Reference Value
0–36

Received: 23 Sep 2024 12:33

Reported: 23 Sep 2024 12:38

Laboratory Notes

- 1 This test was developed using an analyte specific reagent. Its performance characteristics were determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

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