



Patient ID SAMPLE	Patient Name PATIENT, TEST	Birth Date 1989-08-04	Sex M	Age 35
Order Number SAMPLE	Client Order Number SAMPLE	Ordering Physician SAMPLE	Report Notes Sample Report	
Account Information SAMPLE		Collected 22 Sep 2024 14:24		

T Cell Subsets, Regulatory (Tregs)

CD4 (T Cells)

367 cells/mcL

SDL

Reference Value
365–1437

% Activated CD4+ T cells (4+CD25+)



45.5 % CD4 T cells

SDL

Reference Value
2.4–35.0

% Natural Tregs



14.5 % CD4 T cells

SDL

Reference Value
0.6–4.3

% N. Naive Tregs

1.3 % CD4 T cells

SDL

Reference Value
0.1–2.3

% CD4+CD25-CD127+ (Tr1/Th3)



23 % CD4 T cells

SDL

Reference Value
24–88

Activated CD4+ T cells (4+CD25+)

167 cells/mcL

SDL

Reference Value
16–323

CD4+CD25CD127loCD45RO+ (Nat Tregs)



53 cells/mcL

SDL

Reference Value
5–43

CD4+CD25+CD127loCD45RA+ Naive Tregs

4.8 cells/mcL

SDL

Reference Value
0.4–22.0

CD4+CD25-CD127+ (Tr1/Th3)



84 cells/mcL

SDL

Reference Value
133–1304

Interpretation

1 SDL

There is a moderate increase in the percentage of natural Tregs CD4+CD25+CD127loCD45RO+, which is due to the higher frequency of CD45RO+ cells. The moderate decrease in Tr1/Th3 cells is likely due to the observed decrease in CD4+ T cell. The relative distribution (percentage) of natural naive Tregs is within normal limits.

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

Reviewed by: Laboratory Consultant

ADDITIONAL INFORMATION

CD4+CD25+CD127- T-cells are FOXP3-expressing regulatory T-cells. Seddiki N et al, J. Exp Med. 2006, 203(7): 1693–1700 and Liu W et al, J Exp Med, 2006, 203(7):1701–1711.

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Reported: 23 Sep 2024 14:24

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.

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