

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 06 Aug 2024 08:27		

Leukocyte Adhesion Def. Type 1, B

CD11a  Abn	Abnormal	SDL Reference Value Normal	LAD Interpretation 1 SDL There is complete absence of CD18 (beta 2-integrin) and CD11a expression on granulocytes, monocytes and lymphocytes. CD11b expression is absent on lymphocytes and monocytes but is present on granulocytes. This result appears to be consistent with Leukocyte Adhesion Deficiency type 1. Recommend repeat testing if clinically indicated to verify result with another sample. Also recommend genetic testing for the ITGB2 gene (associated with LAD-1) to verify specific mutation and confirm diagnosis while preparing for hematopoietic cell transplantation (HCT). This flow cytometric assay can also be used post-transplant to measure chimerism for CD18, CD11a and CD11b expression on lymphocytes, monocytes and granulocytes. The ITGB2 gene sequencing assay is available through Gene Dx, a commercial genetic testing reference laboratory. Clinical correlation recommended
CD11b  Abn	Abnormal	SDL Reference Value Normal	
CD18  Abn	Abnormal	SDL Reference Value Normal	
			Received: 07 Aug 2024 08:22 Reported: 07 Aug 2024 08:27

Laboratory Notes

- 1 Analyte Specific Reagent: This test was developed and its performance characteristics determined by Mayo Clinic. It 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