

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 9/14/2020  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Leukocyte Adhesion Deficiency Panel**

ARUP test code 2004359

% CD11a	2 %	L	(Ref Interval: 97-100)
% CD11b	2 %	L	(Ref Interval: 96-100)
% CD18	2 %	L	(Ref Interval: 99-100)
% CD15s	100 %		(Ref Interval: 95-100)

Decreased or absent expression of CD11a and or CD11b, and CD18 on neutrophils. This result is consistent with Leukocyte Adhesion Deficiency type 1. Disease severity and clinical prognosis have been associated with the level of CD18 expression: severe deficiency (<2% CD18 expression) and moderate deficiency (2%-30% CD18 expression). Genetic testing for mutation of the ITGB2 gene is also recommended, if clinically indicated. Please correlate results clinically. Reference: Almarza Novoa E, Kasbekar S, Thrasher AJ, et al. Leukocyte adhesion deficiency-I: A comprehensive review of all published cases. J Allergy Clin Immunol Pract. 2018;6(4):1418-1420

These results have been reviewed and approved by Leo Lin MD, PhD.

**INTERPRETIVE INFORMATION: Leukocyte Adhesion Deficiency Panel**

The Leukocyte Adhesion Deficiency Panel measures the receptors CD11a, CD11b, CD15s, and CD18 normally found on neutrophils. The percentage of patient neutrophils bearing these receptors is reported. Decreased values outside of the reference interval may correlate with abnormal neutrophil function. For example, CD11 and CD18 are decreased or absent in leukocyte adhesion deficiency (LAD) type I and CD15s is decreased or absent in LAD type II.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

**H=High, L=Low, \*=Abnormal, C=Critical**

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
% CD11a	22-258-103996	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
% CD11b	22-258-103996	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
% CD18	22-258-103996	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
% CD15s	22-258-103996	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

**H=High, L=Low, \*=Abnormal, C=Critical**

*Unless otherwise indicated, testing performed at:*

ARUP LABORATORIES | 800-522-2787 | aruplab.com  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 22-258-103996  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 2 of 2 | Printed: 9/15/2022 11:47:41 AM  
4848