
Lab Dept: Serology

Test Name: LEUKOCYTE ADHESION DEFICIENCY TYPE 1

General Information

Lab Order Codes: LAD1

Synonyms: LAD (Leukocyte Adhesion Deficiency); CD11a; DA11b; CD18; LAD1

CPT Codes: 88184 – Flow cytometry; each cell surface, cytoplasmic or nuclear marker; first marker
88185 x2 - Flow cytometry; each cell surface, cytoplasmic or nuclear marker; each additional marker

Test Includes: CD11a, CD11b and CD18 levels reported as Absent or Normal.

Logistics

Test Indications: Aid in the diagnosis of LAD-1 syndrome, primarily in patients <18 years of age.

Lab Testing Sections: Serology – Sendouts

Referred to: Mayo Medical Laboratories (Test #: 81155/LAD1)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: **Restricted Draw Times:** To avoid specimen rejection due to limited specimen stability, collect sample Monday – Thursday morning.

Turnaround Time: 2 - 4 days, test set up Monday – Friday

Special Instructions: Specimen must be processed at the reference laboratory within 24 hours of collection. Specimens 48 – 72 hours old will be processed and reported with a disclaimer if expression is absent.

Specimen

Specimen Type: Whole blood

Container: Lavender top (EDTA) tube

Draw Volume: 5 mL (Minimum: 2 mL) blood

Processed Volume:	Same as Draw Volume
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Do Not centrifuge, maintain specimen at room temperature in original collection tube. Ship same day to arrive at Mayo within 24 hours of draw time. Do not send specimens after Thursday. Do Not refrigerate or freeze. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Specimen older than 72 hours, mislabeled or unlabeled specimens

Interpretive

Reference Range:	Normal (reported as normal or absent expression of each marker)
Critical Values:	N/A
Limitations:	N/A
Methodology:	Flow Cytometric Immunophenotyping
References:	Mayo Medical Laboratories July 2013