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
38185 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

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**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