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** 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