
Lab Dept: Chemistry

Test Name: INTERLEUKIN-2 RECEPTOR

General Information

Lab Order Codes: IL2R

Synonyms: IL 2 Receptor, Soluble (CD25)

CPT Codes: 83520 – Immunoassay for analyte other than infectious agent antibody or infectious agent antigen; quantitative, not otherwise specified

Test Includes: Interleukin-2 Receptor level reported in pg/mL.

Logistics

Test Indications: Clinical conditions in which elevated soluble IL-2R levels are detected include AIDS, autoimmune disease, sarcoidosis, and a variety of leukemias and lymphomas. In HIV positive individuals, IL-2R is elevated during the asymptomatic phase as well as during persistent generalized lymphadenopathy and symptomatic phases. IL-2R detection may be useful in measuring T cell activation and monitoring HIV pathogenesis. Elevated IL-2R levels have clinical and prognostic significance in patients with malignant lymphoma, non-Hodgkin's lymphoma, B cell and undifferentiated lymphomas.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Mayo Medical Laboratories forward to ARUP (MML Test: FIL2S), (ARUP Test: 0051529)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 - 4 days; set-up Monday, Wednesday and Friday

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Green top (Lithium Heparin) tube
Alternate tubes: Red top tube

Draw Volume:	3 mL (Minimum: 1 mL) blood
Processed Volume:	1 mL (Minimum: 0.3 mL) serum/plasma
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Centrifuge specimen and separate serum/plasma within 2 hours of collection; aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens; refrigerated specimens; contaminated or heat-inactivated specimens

Interpretive

Reference Range:	< or =1032 pg/mL
Critical Values:	N/A
Limitations:	Results are to be used for research purposes or in attempts to understand the pathophysiology of immune, infectious or inflammatory conditions.
Methodology:	Quantitative Multiplex Bead Assay
References:	Mayo Medical Laboratories Web Page February 2014 ARUP Laboratories February 2014
Updates:	3/18/2004: Test moved from Specialty Laboratories to Mayo Medical Laboratories forward to Focus Technologies. Note changes in CPT code, Methodology, and reference range. 9/16/2008: CPT update, previously reported at 83520 12/16/2013: MML now forwards to ARUP. Note change in CPT (previously 84238), method and reference ranges. 2/19/2014: Ref range update, previously listed as 0-1033 pg/mL.