

ANTI-  
AT1R

## Orderable - AT<sub>1</sub>R-Ab

Turnaround Time: 14 days

STAT: Contact the laboratory at ext. 33320

### Alternate Name(s):

Angiotensin II Receptor Subtype 1 antibody

### Specimen:

6 mL Red top Vacutainer tube - No additives or separator gel

### Collection Information:

Draw by venipuncture and pre-dialysis (if applicable) to avoid contamination with anticoagulants.

### Reference Ranges:

| Negative | Borderline Positive | Positive |
|----------|---------------------|----------|
| <10 U/mL | 10-17 U/mL          | >17 U/mL |

### Interpretive Comments:

Angiotensin II is an oligopeptide hormone that causes vasoconstriction and release of aldosterone from the adrenal cortex, increasing blood pressure. AT<sub>1</sub>R antibodies have been linked to severe vascular rejection and malignant hypertension.

### Comments:

This test will include pre-transplant and post-transplant samples to differentiate between pre-tx and *de novo* antibody.

It is common to hold off testing until several samples are available for testing (maximum is 14 days).

### Critical Information Required:

Indicate if the patient is undergoing therapy with products or medication containing therapeutic antibodies such as Rituxan, Campath, Eculizumab, IVIG, OKT3, ALG, etc.



**Laboratory:**  
Transplant Lab



**Requisition:**  
[TRANSPLANT  
LABORATORY  
REQUISITION](#)



**Method of Analysis:**  
This test is performed using an EIA method (Enzyme Immunoassay)



**Test Schedule:**  
As required Monday to Friday except Stat holidays



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as these may interfere with the results.

Indicate if the patient has had any sensitizing events such as blood transfusions, previous transplants, pregnancies etc. as these could influence the interpretation of the results.

Also indicate if the patient is undergoing a change in immunosuppression regime or is being treated by plasma exchange since these actions may explain fluctuations in results.

## Storage and Shipment:

Samples drawn at LHSC are delivered to the Transplant Laboratory at room temperature.

Samples for **Anti AT1R** Testing (1 red top) drawn outside of LHSC must be spun and the serum removed and frozen. Ship on dry ice if shipping requires >24 hours. Ship frozen on freezer packs if the sample will be received in < 24 hours.