



# Test Definition: FHLCA

Immunoglobulin A (IgA) Heavy and Light Chain (HLC) Pairs, Kappa and Lambda with Ratio

## Overview

### Method Name

Turbidimetric

### NY State Available

Yes

## Specimen

### Specimen Type

Serum

### Specimen Required

**Collection Container/Tube:** Red top or serum gel

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 0.75 mL serum

#### Collection Instructions:

1. Centrifuge immediately after coagulation (30 minutes) to prevent hemolysis.
2. Aliquot 0.75 mL of serum into a plastic vial.
3. Send refrigerate.

### Specimen Minimum Volume

Serum: 0.5 mL

### Reject Due To

|  |        |
|--|--------|
| Hemolysis                              | Reject |
| Lipemia                                | Reject |
| Microbially-contaminated specimen      | Reject |
| Specimen containing particulate matter | Reject |

### Specimen Stability Information

| Specimen Type | Temperature | Time | Special Container |
|---------------|-------------|------|-------------------|
|---------------|-------------|------|-------------------|

|       |                          |         |  |
|-------|--------------------------|---------|--|
| Serum | Refrigerated (preferred) | 14 days |  |
|       | Ambient                  | 14 days |  |
|       | Frozen                   | 14 days |  |

## Clinical & Interpretive

### Clinical Information

Refer to [www.labcorp.com/test-menu/](http://www.labcorp.com/test-menu/)

### Reference Values

IgA Kappa (g/L): 0.48-2.82

IgA Lambda (g/L): 0.36-1.98

IgA Kappa:IgA Lambda ratio: 0.80-2.04

### Interpretation

An elevated IgA heavy and light chain (HLC) pair ratio suggests a clonal proliferation of an IgA kappa clone of plasma cells.

A low IgA HLC pair ratio suggests a clonal proliferation of an IgA lambda clone of plasma cells.

### Cautions

Decisions on patient evaluation and management must not be given on the basis of IgA kappa, IgA lambda, or IgA kappa:IgG lambda ratio measurements alone. Clinical history and other laboratory findings must be taken into account.

Heavy and light chain (HLC) quantitation should be used as a complementary method to serum protein electrophoresis.

The effect of therapeutic drugs on the measurement of IgA kappa and IgA lambda by this assay has not been evaluated.

Small increases in the concentrations of monoclonal IgA proteins may not result in an altered HLC pair ratio.

## Performance

### PDF Report

No

### Day(s) Performed

Tuesday, Friday

### Report Available

6 to 10 days

### Performing Laboratory Location

LabCorp Burlington

**Fees & Codes****Fees**

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

**CPT Code Information**

83521 x 2

**LOINC® Information**

| Test ID | Test Order Name                 | Order LOINC® Value |
|---------|---------------------------------|--------------------|
| FHLCA   | IgA Heavy Light Chains (HLC), S | 74773-3            |

| Result ID | Test Result Name  | Result LOINC® Value |
|-----------|-------------------|---------------------|
| Z5616     | IgA Kappa, S      | 74864-0             |
| Z5617     | IgA Lambda, S     | 74865-7             |
| Z5618     | IgA K/L HLC Ratio | 74869-9             |