

Patient ID SA00056601	Patient Name SAMPLEREP, IABCS	Birth Date 1966-06-10	Gender F	Age 46
Order Number SA00056601	Client Order Number SA00056601	Ordering Physician Client, Client	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 15 Apr 2013 13:00		

## Immune Assessment B Cell Subsets, B

### T- and B-Cell QN by Flow Cytometry

#### CD45 Lymph Count, Flow

1.26 thou/mcL

 MCR  
 Reference Value  
 0.82–2.84

#### CD3 (T Cells)

961 cells/mcL

 MCR  
 Reference Value  
 550–2202

#### % CD3 (T Cells)

77 %

 MCR  
 Reference Value  
 58–86

#### CD19 (B Cells)

198 cells/mcL

 MCR  
 Reference Value  
 70–409

#### % CD19 (B Cells)

16 %

 MCR  
 Reference Value  
 6–24

#### CD16+CD56 (NK cells)

88 cells/mcL

 MCR  
 Reference Value  
 59–513

#### % CD16+CD56 (NK cells)

7 %

 MCR  
 Reference Value  
 4–28

#### CD4 (Helper Cells)

648 cells/mcL

 MCR  
 Reference Value  
 365–1437

#### % CD4 (Helper Cells)

52 %

 MCR  
 Reference Value  
 32–64

#### CD8 (Supp'r Cells)

301 cells/mcL

 MCR  
 Reference Value  
 145–846

#### % CD8 (Supp'r Cells)

24 %

 MCR  
 Reference Value  
 13–40

#### H/S Ratio

2.2

 MCR  
 Reference Value  
 ≥0.9

### Immune Assessment B Cell Subsets, B

#### CD19+ % of total Lymphocytes

11.3 %

 MCR  
 Reference Value  
 2.8–17.4

#### CD27+ IgM+ IgD+ % of CD19+ B cells

22.4 %

 MCR  
 Reference Value  
 1.7–29.3

#### CD20+ % of total Lymphocytes

12.7 %

 MCR  
 Reference Value  
 3.2–16.8

#### CD27+ IgM- IgD- % of CD19+ B cells

18.3 %

 MCR  
 Reference Value  
 2.3–26.5

#### CD27+ % of CD19+ B cells

42.1 %

 MCR  
 Reference Value  
 6.3–52.8

#### CD27+ IgM+ IgD- % of CD19+ B cells

4.5 %

 MCR  
 Reference Value  
 0.0–5.3

#### Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905

Patient ID <b>SA00056601</b>	Patient Name <b>SAMPLEREP, IABCS</b>	Birth Date <b>1966-06-10</b>	Gender <b>F</b>	Age <b>46</b>
Order Number <b>SA00056601</b>	Client Order Number <b>SA00056601</b>	Ordering Physician <b>Client, Client</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>15 Apr 2013 13:00</b>		

**IgM+ % of CD19+ B cells** MCR  
 68.5 % Reference Value  
26.0–78.0

**CD38+ IgM- % of CD19+ B cells** MCR  
 38.9 % Reference Value  
4.1–42.2

**CD38+ IgM+ % of CD19+ B cells** MCR  
 33.3 % Reference Value  
1.2–50.7

**CD21+ % of CD19+ B cells** MCR  
 98.2 % Reference Value  
92.1–99.6

**CD21- % of CD19+ B cells** MCR  
 5.4 % Reference Value  
0.2–8.6

**CD19+** MCR  
 142.4 cells/mcL Reference Value  
90.0–539.0

**CD20+** MCR  
 160.0 cells/mcL Reference Value  
95.0–580.8

**CD27+** MCR  
 59.9 cells/mcL Reference Value  
18.0–145.0

**CD27+ IgM+ IgD+** MCR  
 31.9 cells/mcL Reference Value  
4.0–85.0

**CD27+ IgM- IgD-** MCR  
 26.1 cells/mcL Reference Value  
7.0–61.0

**CD27+ IgM+ IgD-** MCR  
 6.4 cells/mcL Reference Value  
0.0–12.0

**IgM+** MCR  
 97.5 cells/mcL Reference Value  
37.0–327.0

**CD38+ IgM-** MCR  
 55.4 cells/mcL Reference Value  
7.0–153.0

**CD38+ IgM+** MCR  
 47.4 cells/mcL Reference Value  
2.0–139.4

**CD21+** MCR  
 139.8 cells/mcL Reference Value  
85.0–533.0

**CD21-** MCR  
 7.7 cells/mcL Reference Value  
0.3–22.0

**Interpretation** MCR  
 Normal T, B, and NK subsets in whole blood. Quantitative B cell subset immunophenotyping is normal. Unable to provide further interpretation without clinical information. Clinical correlation recommended.

**ADDITIONAL INFORMATION**  
 This assay is performed using peripheral blood mononuclear cells (PBMC) isolated from whole blood. CD19 percentage and absolute results should not be directly compared to the CD19 results from the T and B cell Surface Markers AG assay using whole blood, because cells are lost during the PBMC isolation process.

**Received:** 16 Apr 2013 08:19 **Reported:** 16 Apr 2013 11:29

**Performing Site Legend**

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905



Patient ID <b>SA00056601</b>	Patient Name <b>SAMPLEREPORT, IABCS</b>	Birth Date <b>1966-06-10</b>	Gender <b>F</b>	Age <b>46</b>
Order Number <b>SA00056601</b>	Client Order Number <b>SA00056601</b>	Ordering Physician <b>Client, Client</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>15 Apr 2013 13:00</b>		

QA Environment

**Laboratory Notes**

- 1 Analyte Specific Reagent: This test was developed and its performance characteristics determined by Mayo Clinic. It has not been cleared or approved by the U.S. Food and Drug Administration.

**Performing Site Legend**

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905