MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
VALIDATIONSOFT,PCPROREPORT	SA00061008	52	M	SA00061008
Ordering Phys CLIENT,CLIENT				**DOB** 11/11/1960
Client Order # SA00061008	**Account Information**			**Report Notes**
Collected 08/25/2013 00:00	C7028846-DLMP Rochester SDSC 2 - Client Support Rochester, MN 55901			
Printed 10/15/2013 14:25				

Test	Flag	Results	Unit	Reference Value	Perform Site*
Plasma Cell Proliferation, Marrow					
RECEIVED: 08/26/2013 15:19 **REPORTED:** 08/27/2013 10:12					
Monotypic Plasma Cells:		See Below		None detected.	MCR
Result:Monotypic kappa plasma cells present.					
Supplemental PDF Report available at:					
https://test.mmlaccess.com/Reports/C7028846-5O3zA7S3nW.ashx					
Monotypic PC per Total Events		1.1	%		MCR
Monotypic Plasma Cells S-phase		0.9	%		MCR
Monotypic Plasma Cells DNA Index		1.10		0.95-1.05	MCR
Monotypic Plasma Cells DNA Ploidy		Hyperdiploid		Diploid	MCR
Polytypic PC per Total Events		0.1	%		MCR
Polytypic PC per All Plasma Cells		8.3	%		MCR
Final Diagnosis					MCR

Bone marrow, flow cytometric immunophenotyping:

1. Plasma cells express: monotypic kappa cytoplasmic immunoglobulin light chains, CD38 and CD138. They do not express: CD19 or CD45.

Comment:
Plasma cells, (monoclonal/monotypic and polyclonal/polytypic) are detected by immunoglobulin light chain restriction, surface immunophenotype, and DNA content. If present, the light chain expressed by the monotypic plasma cells is indicated. The percentage of clonal plasma cells estimated by flow cytometry is affected by specimen processing and antigen loss with specimen aging. Manual differential counting remains the accepted standard for determining the bone marrow plasma cell percentage.

The percentage of monotypic plasma cells in S-phase of the cell cycle is determined by quantitative DNA analysis. The DNA index is a calculated value. The presence of more than one value indicates the presence of cell populations with differing DNA contents within the monotypic plasma cells.

Method:
Plasma cell analysis was performed with antibodies to the following antigens: CD19, CD38, CD45, CD138, kappa and lambda cytoplasmic immunoglobulin light chains and DAPI.

Reviewed by: Steven Bashynski 2013.08.27 10:11:59

Performing Site Legend on Last Page of Report

* Report times for Mayo performed tests are CST/CDT

MAYO CLINIC
Mayo Medical Laboratories

Performing Site:
Mayo Clinic Laboratories - Rochester Main Campus
200 First Street SW, Rochester MN 55905
Franklin R. Cockerill, M.D. Lab Director
Phone: 800-533-1710
http://www.mayomedicallaboratories.com

VALIDATIONSOFT, PCPROREPORT MEDICAL RECORD # (PATIENT ID) SA00061008

DOB	11/11/1960	CLIENT ID/WARD	7028846	ORDER #	B326000328
SEX	Male	CLIENT/NAME WARD	DLMP Rochester	CLIENT ORDER #	SA00061008
CLIENT MRN	SA00061008	CITY, ST, ZIP	Rochester	DATE COLLECTED	8/25/2013 12:00 AM
REQUESTED BY	CLIENT CLIENT		MN 55901	DATE RECEIVED	8/26/2013 3:19 PM
				DATE REPORTED	8/27/2013 10:11 AM

Plasma Cell Proliferation, Marrow

Results:

Marker Name	Result	Unit	Result Comments	Normal Range
Monotypic Plasma Cells:	Monotypic kappa plasma cells present.			None detected.
Monotypic PC per Total Events	1.1	%		
Monotypic Plasma Cells S-phase	0.9	%		
Monotypic Plasma Cells DNA Index	1.10			0.95-1.05
Monotypic Plasma Cells DNA Ploidy	Hyperdiploid			Diploid
Polytypic PC per Total Events	0.1	%		
Polytypic PC per All Plasma Cells	8.3	%		

Final Diagnosis:

Bone marrow, flow cytometric immunophenotyping:

1. Plasma cells express: monotypic kappa cytoplasmic immunoglobulin light chains, CD38 and CD138. They do not express: CD19 or CD45.

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Plasma cells, (monoclonal/monotypic and polyclonal/polytypic) are detected by immunoglobulin light chain restriction, surface immunophenotype, and DNA content. If present, the light chain expressed by the monotypic plasma cells is indicated. The percentage of clonal plasma cells estimated by flow cytometry is affected by specimen processing and antigen loss with specimen aging. Manual differential counting remains the accepted standard for determining the bone marrow plasma cell percentage.

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The collected, received, and reported dates and times on the report are in the time zone of the performing location.

DOB	11/11/1960	CLIENT ID/WARD	7028846	ORDER #	B326000328
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Disclaimer:

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.

The collected, received, and reported dates and times on the report are in the time zone of the performing location.

Site ID: C7028846
Accession Number: SA00061008
FileName: SA00061008-7WKfNO
+py219z9P11FbY756LClk45xj2gYo_tJABi9nxMlNer6Qv_XL5j2NdHbEihvk7tW6RG449IXGSEY4pg==.pdf
Reported Date & Time: 08/27/13 10:15
Test Name: Plasma Cell Proliferation, Marrow
Result Name: Monotypic Plasma Cells:

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* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.

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