MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,XHIM	SA00057240	26	M	SA00057240
Ordering Phys CLIENT,CLIENT				**DOB** 06/10/1986
Client Order # SA00057240	**Account Information**			**Report Notes**
Collected 05/06/2013	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 05/07/2013 13:13				

Test	Flag	Results	Unit	Reference Value	Perform Site*
X-Linked Hyper IgM Syndrome, B			REPORTED 05/07/2013 12:35		
Hyper IgM Functional	AB	Absent		Present	MCR
CD40muIg (Function)	AB	Absent		Present	MCR
Interpretation					MCR

There is normal activation of CD4 T cells with CD69 expression. There is complete absence of CD40L (CD154) expression on activated T cells and also there is no function of the ligand (absent binding of ligand to soluble receptor - CD40-muIg) as the protein is absent from the cell surface. This result is consistent with a diagnosis of X-linked Hyper IgM syndrome (CD40L deficiency) for this male patient. Recommend genetic testing for identification of the pathogenic mutation in the CD40LG gene. Also, recommend carrier testing for mother and other female relatives as appropriate. Carrier testing may be performed with this flow cytometry assay.
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:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:

Patient Name	Collection Date and Time	Report Status
SAMPLEREPORT,XHIM	05/06/2013	Final
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* Report times for Mayo performed tests are CST/CDT

TEST SITE