



Bruton Tyrosine Kinase (Btk), Protein Expression, Flow Cytometry, Blood

Patient ID SA00057317	Patient Name SAMPLEREPOR, BTK	Birth Date 1966-06-10	Gender M	Age 46
Order Number SA00057317	Client Order Number SA00057317	Ordering Physician Client, Client	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 08 May 2013 00:00		

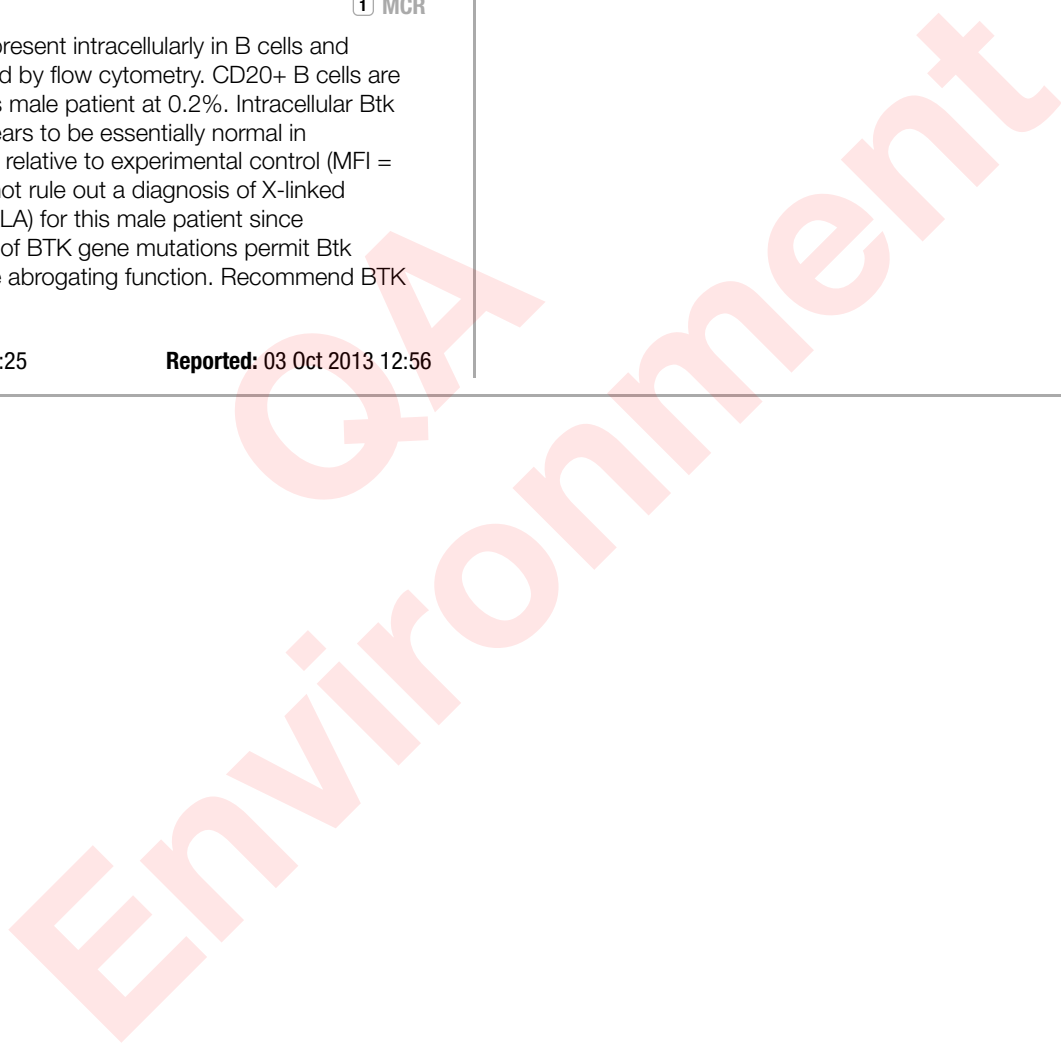
Btk Protein Flow, B

1 MCR

Btk protein is normally present intracellularly in B cells and monocytes and detected by flow cytometry. CD20+ B cells are essentially absent in this male patient at 0.2%. Intracellular Btk protein expression appears to be essentially normal in monocytes (MFI = 1.22) relative to experimental control (MFI = 1.53). This result does not rule out a diagnosis of X-linked agammaglobulinemia (XLA) for this male patient since approximately 25–30% of BTK gene mutations permit Btk protein expression while abrogating function. Recommend BTK genetic testing.

Received: 09 May 2013 15:25

Reported: 03 Oct 2013 12:56



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