

Liver Cytosolic Antigen LC1

General:

Autoantibodies against the liver cytosol antigen 1 (LC 1) react with an approximately 60 kDa protein which is known as formiminotransferase cyclodeaminase. The formiminotransferase cyclodeaminase (58.9 kDa; Chromosome 21q22.3) is a metabolic enzyme which is mainly expressed in the cytosol of hepatocytes. It catalyzes the transmission of one-carbonunits from glutamate- into the folate-pool. Its co-factor is pyridoxal phosphate.

I: Autoimmune hepatitis type 2 (AIH2), in 25-48% of the patients together with autoantibodies against liver-kidney-microsomes (anti-LKM1) in a few patients with AIH2, only LC 1 antibodies are detected. Sporadically anti-LC1 can be found in Hepatitis-C-viral infections, mostly in association with antiLKM1. Patients with HCV-infections and anti-LKM1 and/or anti-LC1 do not respond to an immunosuppressive but to an interferon-therapy.

Indication: DD autoimmune hepatitis type 2 and AIH type 1, autoimmune hepatitis in HCV infection.

Material: 1 ml serum

TAT: 7-10 days*

Method: Dot blot

Units: negative

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>