

Autoantibodies

Autoantibodies against	Associated disorder
acetylcholine receptor	myasthenia gravis
alveolar basal membrane	Goodpasture syndrome, hemorrhagia of lung, rapidly progressive glomerulonephritis
C3-nephritis factor	membranous proliferative glomerulonephritis
cold agglutinin	acral circulation disorder, monoclonal gammopathy, mycoplasma pneumonia
cytoplasmic antigen (parotitis)	Sjogren syndrome
DNA, double stranded (ds DNA)	systemic lupus erythematosus
DNA, single stranded (ss DNA)	drug induced LE, rheumatic arthritis, leukosis
endomysium, IgA	dermatitis herpetiformis, gluten sensitive enteropathy, celiac's disease
endothelium of cardiac muscle	infectious bacterial endocarditis
epidermal basal membrane (EBM99A), skin antibodies	bullous dermatosis (pemphigoid, herpes gestationis, linear IgA dermatosis)
extractable nuclear antigens (ENA)	see Auto-Abs against extractable nuclear antigens/ ENAS
Glomerular basal membrane (GBMA)	autoimmune interstitial nephritis, Goodpasture syndrome, rapidly progressive glomerulonephritis, autoimmune glomerulonephritis
histones	drug induced LE, systemic LE
intercellular substance	Pemphigus
intrinsic factor	Pernicious anemia

Autoantibodies against	Associated disorder
islet cells	suspicion of diabetes type I
Mi 1, Mi 2	Dermatomyositis
microsomal thyroidal anti-gen, (anti-TPO)	Hashimoto thyreoiditis, M. Basedow, endocrine orbitopathia
mitochondria (AMA)/ M2	primary biliary cirrhosis
parietal cells (PCA)	perniciosa, malignant anemia, chronic gastritis, ulcera
reticulin	Celiac's disease, dermatitis herpetiformis Duhring

Autoantibodies against	Associated disorder
RNA	unspecific
RNP	MCTD, SHARP syndrome
sarcolemma of heart mus-cle	postcarditis syndrome, perimyocarditis, rheumatic carditis, endocarditis
Scl 70	progressive systemic sclerosis, diffuse type
smooth muscles (ASMA)	chronic aggressive hepatitis, autoimmune hepatitis
spermatozoae	Infertility
SS A (Ro)	Sjogren syndrome, LE, neonatal lupus syndrome
SS-B (La)	Sjogren syndrome, LE
striated muscles	thymoma, myasthenia gravis
TSH receptors	Grave's disease, M. Basedow, endocrine orbito-pathy
TPO and thyreoglobulin	Hashimoto thyreoiditis

Autoantibodies against	Associated disorder
U-nRNP	MCTD, SHARP syndrome
warm agglutinins (indirect Coombs test)	hemolytic anemia

Classified according to disorder/suspicion:

Blood	
Anemia, autoimmune	Cold agglutinins, warm agglutinins
Malignant anemia/ perniciousa	Antiparietal cell antibody, H+K+ATPase Ab, Ab against intrinsic factor
Auto immune thrombocytopenia (e.g. Morbus Werlhof)	Thrombocyte antibody (free Abs against fibrinogen receptor glycoproteins GPIIb/IIIa, bound against collagenous receptor GPIa/IIa, bound against Willebrand receptors GP Ib/V/IX, IV and HLA class 1)
Heparin induced thrombocytopenia (type II)	Heparin (PF-4)-complex-Ab
Rel. thromboses, thrombophilia	Lupus anticoagulant, β 2-glycoprotein-1-IgG, -IgA, -IgM, cardiolipin-IgG, -IgM-antibody.

Stomach	
Chronic-atrophic gastritis, Perniciosa	Antiparietal cell antibody, H+K+ATPase Ab,
Malignant anemia, Perniciosa	Anti-intrinsic factor
Liver	
Chronic active hepatitis, type I	Ab against smooth muscle (actin), atyp. ANCA (X-ANCA), ANA
Chronic active hepatitis, type II	Anti-LKM antibody, Ab against soluble liver antigen (SLA), anticytosol antibody (LC1), Ab against liver membrane (asialoglycoprotein)
Primary biliary cirrhosis	Antimitochondrial Ab (AMA /AMA-M2), Spl00 (nuclear dots), Abs against the nuclear membrane (gp210,lamin), centromere Ab
Primary sclerosing cholangitis	Atypical ANCA (X-ANCA)
Pancreas	
Diabetes mellitus type I	Islet cell Ab, insulin Ab, glutamate decarboxylase Ab (GAD-Ab)
LADA	Insulin Ab, GAD-Ab
Diabetes mellitus, insulin resistant	Insulin receptors
Intestinal diseases	
Morbus Crohn	Ab against exocrine pancreas, Ab against Saccharomyces cerevisae
Colitis ulcerosa	Goblet cell antibody, Ab against colon epithelium, atypical ANCA (X-ANCA)
Celiac disease (endemic sprue)	Antiendomysium Ab (IgA/IgG), T-transglutaminase-Ab (IgG/IgA), antigliadin Ab (IgA/IgG), anti-reticuline Ab (IgA/IgG)

Diseases of the kidney	
Goodpasture syndrome	Ab against glomerular basal membrane, Ab against alveolar basal membrane
Progressive glomerulonephritis	p-ANCA (MPO. further subspecificities), c-ANCA (PR3), C3-nephritis factor
IgA-nephropathy	c-/p-ANCA

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