

Breadcrumbs

ANTIBODIES

SOURCE: MED435 TEAMS, some AB's overlap. Not all required AB's may be in this document. Contact academic leaders for any serious mistake.

SCL-70 (anti-topoisomerase)	Diffuse scleroderma, ILD, ↓ risk of PAH ¹
RNA polymerase III	Diffuse scleroderma, malignancy associated sclero, and mortality
Anti-centromere (ACA)	Limited scleroderma, PAH, and digital ulcer. -- CREST, primary raynaud
Anti U2 snRNP	Scleroderma
Scl-PM	Myositis overlap with scleroderma
Rheumatoid factor, ACPA ² (Anti-CCP)	Rheumatoid arthritis < Anti-CCP -- more specific to RA
Antinuclear Ab (ANA)	Most important marker of SLE, sensitive but not specific. Also (+) in myopathies
Anti-DNA/Anti-Sm/Antiphospholipid	Fulfils immunologic involvement of SLE (presence of Anti-Sm or Anti-dsDNA) is diagnostic for SLE
Antiphospholipid Ab	Covers: Lupus anticoagulant and anticardiolipin --also (+) in APS ³
Anti-histone	Drug induced lupus. If it's (-) you may exclude drug induced lupus.
Anti-SSA (Anti-Ro)	Neonatal lupus (if passed on by mother) with complete heart block!
Anti-SSB (generally) [Anti-La]	Sjogren's syndrome, SLE
Anti-ribonucleoprotein (anti-RNP)	Mixed connective tissue disease
TSH receptor Ab/TSH stimulating Ab	Graves disease
Anti-TPO (thyroid peroxidase)	Hashimoto's thyroiditis

¹ Pulmonary arterial hypertension

² Anti-citrullinated peptide antibodies

³ Antiphospholipid syndrome

Islet cell antibodies	DM1
Anti-HCMV	CMV, not that useful because CMV infection is high in the population
Ach receptor binding Ab (AchR-Ab)	Myasthenia gravis, and an indication of thymectomy.
Muscle specific kinase (MUSK) Ab	(+) in 50% of AchR-Ab (-) general MG.
VGCC ⁴ Ab	Lambert eaton syndrome
Anti-histidyl-t-RNA synth. Anti jo 1	Dermatomyositis with ILD
ENA antibodies ⁵	Inflammatory myopathy detection
Anti-Mi2/Anti SRP	Primary myositis
MIDTERM	
Anti-mitochondrial Ab	Most accurate Ab for primary biliary cirrhosis
Anti GBM	Goodpasture's disease, CTD's, MPGN
Anti DNase/Anti streptolysin O	Confirms post streptococcal glomerulonephritis/use in JONES rheumatic Dx
c-ANCA	Wegener granulomatosis
p-ANCA/ASCA	Differentiate between crohn's and UC, ASCA is (+) in crohn's.
Anti-tTG ⁶	BEST marker for celiac disease (if IgA deficient) OR use anti-gliadin Ab

⁴ Voltage gated calcium channel

⁵ Anti Ro/SSA, Anti La/SSB, Anti-SM, Anti RNP

⁶ Anti-tissue transglutaminase Ab