

HLA B27

Assists in diagnosing
Patients symptomatic for Ankylosing spondylitis
or
related autoimmune disorders /
**strong predisposing factor for
Spondylo arthropathies**

HLA-B27 as a diagnostic tool

- To confirm the diagnosis of Ankylosing spondylitis and related spondyloarthropathies.
- Seronegative spondarthritis (SSA) which shares certain clinical features has a strong association with the human leukocyte antigen (HLA)-B27 allele.
- HLA-B27 and radiological tests done in male children suspected to have SSA, can indicate early cases of juvenile Spondylo arthropathy when radiological changes are not present.*

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HLA-B27 and disease associations

Disease	HLA B-27 Positivity
Ankylosing spondylitis	90%
Reactive Arthritis	75%
Juvenile Rheumatoid Arthritis	70%
Isolated acute anterior uveitis	40-70%

Organ or system	Definite or probable
Ocular	Acute anterior uveitis Anterior scleritis
Aural Pulmonary	Upper lobe fibrosis
Cardiovascular	Aortic regurgitation Cardiac conduction abnormalities Aortitis, aortic aneurism, aortic dissection
Haematological	Acute leukaemia
Renal Endocrine	IgA nephropathy
Bone Skin	Type II psoriasis Palmoplantar pustulosis
Immune system	Attenuation of viral infections, including HIV, HCV, influenza, EBV, HSV-2

TEST DETAILS

Test Name	HLA B27
Technology	FLOW CYTOMETRY
Detection	Ankylosing spondylitis & other Spondylo arthropathies
Starting Material	5 ml of Blood in Heparin or EDTA vacutainer
Turnaround Time	2 days