

HLA-B27 (Flow Cytometry)	Positive / Negative / Indeterminate
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Interpretation

RESULT	REMARKS
Negative	No expression of HLA-B27
Indeterminate	Grey zone (within 10 channels of cutoff)
Positive	Expression of HLA-B27 detected

Note:

1. Test conducted on EDTA / Heparin / ACD whole blood.
2. Anti HLA-B27 antibody cross reacts with several other antigens of HLA-B group specially HLA-B7 leading to false positive results

Comments

HLA-B27 is a major histocompatibility complex (MHC) class 1 molecule which is considered to be an important criteria for classification of Axial spondyloarthropathies and helps in establishing an early diagnosis of Ankylosingspondyloarthropathies before the development of irreversible deformity. In 2009, the Assessment of Spondyloarthritis International Society (ASAS) proposed new criteria for classification of Axial spondyloarthritis which are applicable to individuals with back pain \geq 3 months and age of onset < 45 years. One important criteria is the presence of HLA-B27.

DISEASE	RISK IN %
Ankylosingspondyloarthropathies	89
Reiters syndrome	79
Juvenile Rheumatoid arthritis	42
Normal population	8