

Histone Antibodies

Synonyms

Clinical Indication

Histone antibodies can be found in Systemic lupus erythematosus (SLE) but this does not offer any further diagnostic information over the ANA, ENA antibodies and dsDNA antibodies

Histone antibodies also found in drug induced SLE (DIL). Typical inducers of DIL are hydralazine, procainamide and isoniazid.

Histone antibodies may be present in some cases of neuropsychiatric lupus and rheumatoid arthritis

It is essential to provide relevant clinical information.

Part of Profile / See Also

Detection of IgG antibodies against histones.

Request Form

Combined Pathology manual blood request form or ICE request

Availability / Frequency of Analysis

Referred test: Analysed by Sheffield Protein Reference Unit

Turnaround Time

2-3 weeks

Patient Preparation

No special preparation is required.

Sample Requirements

Please note a separate sample is required when Immunology tests are requested in addition to Biochemistry tests

Specimen Type

Serum

Volume

2 ml

Container



Yellow top (SST) tube



Paediatric Yellow top (SST) tube

Reference Range & Units

Negative: <40 U/mL

Positive: >40 U/mL

Interferences

Interpretation & Clinical

Decision Value (if applicable)

This assay does not measure antibody concentration, but is a measure of the activity of antibody present in the sample. This activity is affected by a number of parameters, including antibody avidity (hence the use of "units" per mL rather than a unit of concentration such as milli-moles per mL).

Anti-histone antibodies are found in patients with SLE and drug-induced lupus, and active lupus nephritis

In drug-induced lupus, anti-histone antibodies are usually present without dsDNA or ENA antibodies

References

<https://sheffieldlaboratorymedicine.nhs.uk/search-test.php?search=3219>

Test code

HIST

Lab Handling

Aliquot and store at 4°C prior to testing and at -20°C or below for up to one month after receipt.



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