

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 6/29/1923
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Bullous Pemphigoid Antigens (180 kDa and 230 kDa), IgG

ARUP test code 0092566

Bullous Pemphigoid Antigens, IgG

See Note

IMMUNODERMATOLOGY REPORT

Specimen(s):
1. Serum specimen

Clinical/Diagnostic Information:
No clinical information provided.

DIAGNOSTIC INTERPRETATION

Consistent with pemphigoid

(See Results and Comments including additional test recommendations)

RESULTS

Enzyme Linked Immunosorbent Assay (ELISA)

Bullous Pemphigoid (BP) 180 and 230 IgG Antibodies

IgG BP 180 antibodies: 45 units (H)

Reference Range:

Positive (H) = Greater than or equal to 9 units

Negative = Less than 9 units

IgG BP 230 antibodies: 43 units (H)

Reference Range:

Positive (H) = Greater than or equal to 9 units

Negative = Less than 9 units

(H = high/increased; units = units/mL serum)

COMMENTS

Specific

These ELISA results, demonstrating increased IgG BP 180 and IgG BP 230 antibody levels, support the diagnosis of pemphigoid. However, up to 7 percent of individuals unaffected by pemphigoid, including some with other immunobullous diseases, have increased IgG BP 180 and/or IgG BP 230 antibody levels. An additional consideration is that co-expression of IgG and IgA basement membrane zone antibodies may develop in patients with pemphigoid, which may have implications for disease severity and treatment approach.

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 19-144-137899
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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4848

Clinical correlation is needed, including correlation with direct immunofluorescence on a biopsy specimen and/or treatment status. To further evaluate the immunopathological profile, testing for serum IgG and IgA basement membrane zone antibodies by indirect immunofluorescence (ARUP test numbers 0092056 and 0092057) may be performed on this specimen by add-on test request through ARUP Client Services at 1-800-242-2787 option 2.

Monitoring serum antibody profiles by indirect immunofluorescence as well as antibody levels by ELISAs may be useful in assessing disease expression and activity, including response to therapy.

General

Major molecular structures in the basement membrane zone to which IgG pemphigoid antibodies bind have been identified and termed "BP 180" for a 180 kDa bullous pemphigoid antigen and "BP 230" for a 230 kDa bullous pemphigoid antigen. BP 180 is a transmembrane component of the basement membrane zone with collagen-like domains. BP 230 is located in the hemidesmosomal plaque of basal cells in the epidermis. IgG BP 180 and IgG BP 230 antibody levels are in the negative range in normal individuals, and IgG BP 180 antibody levels may correlate with disease activity in pemphigoid, diminishing in response to therapy. Patients with pemphigoid may show reactivity to basement membrane zone components in addition to or other than the BP 180 and BP 230 epitopes expressed in these ELISAs.

TESTING METHODS

Enzyme Linked Immunosorbent Assay (ELISA)

IgG BP 180 and IgG BP 230 serum antibody levels determined by U.S. Food and Drug Administration-approved ELISAs (Mesacup, MBL BION).
[Two ELISAs]

██████████, MD
Immunodermatologist
Electronically signed 5/29/2019 6:54:00AM
Performed at: ARUP - University Hospital Laboratory 50 N.
Medical Drive Salt Lake City UT 84132

EER Bullous Pemphigoid Antigens, IgG

See Note

Access ARUP Enhanced Report using the link below:

-Direct access:

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Bullous Pemphigoid Antigens, IgG	19-144-137899	5/24/2019 12:00:00 AM	5/28/2019 8:08:36 AM	5/29/2019 10:55:00 AM
EER Bullous Pemphigoid Antigens, IgG	19-144-137899	5/24/2019 12:00:00 AM	5/28/2019 8:08:36 AM	5/29/2019 10:55:00 AM

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

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