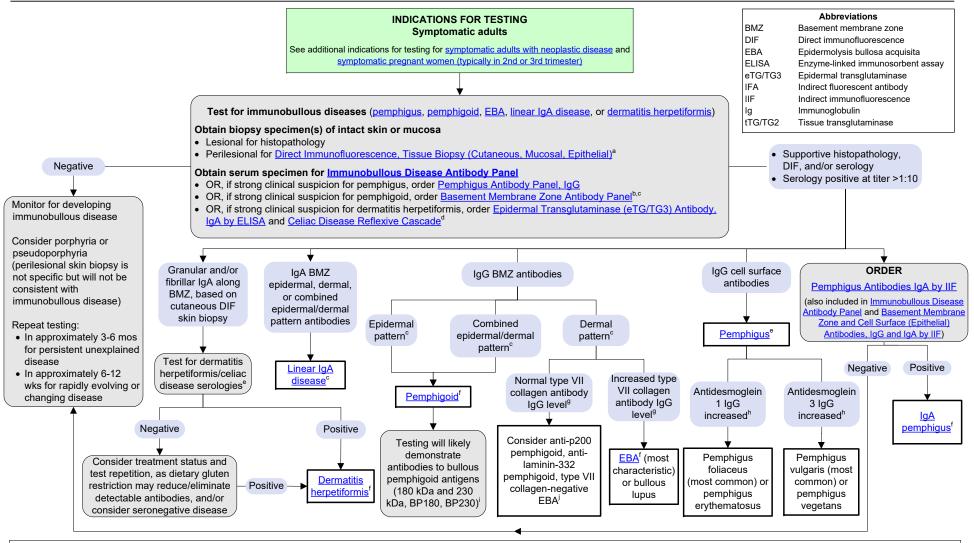
Immunobullous Diseases Testing - Epithelial Antibody Associated

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^aFor all suspected immunobullous disease, biopsy sample should be obtained from perilesional tissue because immunoreactants may not be present in lesional (blistered or eroded) tissue; perilesional tissue is defined as immediately adjacent to, but not involving, a blister or erosion and may include inflamed, intact skin or mucosa. The Basement Membrane Zone Antibody Panel includes epithelial IgG and IgA BMZ antibody testing by IIF as well as bullous pemphigoid antigens, BP180 and BP230, IgG antibody and type VII collagen IgG antibody testing by ELISA. These same test components are included in the Immunobullous Disease Antibody Panel, along with cell surface (pemphigus) antibody testing components. The Pemphigoid Antibody Panel can be ordered separately (but this panel does not include type VII collagen IgG antibody testing by ELISA), and the IIF and ELISA components can be ordered separately.

^cIIF pattern is determined on BMZ split-skin substrate, also known as salt-split skin.

^dThe <u>Celiac Disease Reflexive Cascade</u> assesses IgA and tTG IgA; reflex testing may include EMA IgA and/or DGP IgA, or tTG IgG and DGP IgG.

^eDermatitis herpetiformis serologies include testing for celiac disease (which is present in most patients), consisting of Celiac Disease Reflexive Cascade and/or Epidermal Transglutaminase (eTG/TG3) Antibody, IgA by ELISA. An alternative is to order Epidermal Transglutaminase (eTG/ TG3) Antibody, IgA by ELISA; Endomysial Antibody, IgA by IFA; and Endomysial Antibody, IgG.

See Monitoring table in Epithelial Antibody-Associated Immunobullous Diseases Testing topic in ARUP Consult for disease-specific monitoring test recommendations.

⁹Collagen Type VII Antibody, IgG by ELISA is included in the Immunobullous Disease Antibody Panel and the Basement Membrane Zone Antibody Panel, or can be ordered separately.

^hDesmoglein 1 and desmoglein 3 antibody IgG testing (performed and reported for both desmoglein 1 and desmoglein 3 antibody levels) is included in the Immunobullous Disease Antibody Panel and the Pemphigus Antibody Panel, IqC, or can be ordered separately. Patients with pemphigus can be negative and have antibodies to cell-cell adhesion molecules other than desmoglein 1 and desmoglein 3. Patients with pemphigoid can be negative for bullous pemphigoid antigen (BP180 and BP230) antibodies.

Additional laboratory testing not available for these diagnoses; >30% of patients with antilaminin-332 pemphigoid have an associated malignancy.