

Bullous Pemphigoid 180 and 230 Antibody, IgG

Order Name: **B Pemph Ab**

Test Number: 5194672

Revision Date: 02/05/2024

TEST NAME	METHODOLOGY	LOINC CODE
Bullous Pemphigoid 180 and 230 Antibody, IgG	Enzyme immunoassay (EIA)	

SPECIMEN REQUIREMENTS				
Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	2 mL (1 mL)	Serum	Clot Activator (SST or Red No-Gel)	Frozen
Instructions	<p><b>Specimen Type:</b> Gel-Barrier Tube, Red-Top Tube, or Serum Transfer Tube</p> <p><b>Specimen Storage:</b> FROZEN at -20 degrees C</p> <p><b>Specimen Collection:</b> Serum samples may be stored for up to 8 hours at room temperature before freezing at -20 degrees C. Samples should not be repeatedly frozen and thawed.</p> <p><b>Specimen Stability:</b> Ambient: Unstable, Refrigerated : Unstable, Frozen: 14 Days. (Freeze/thaw cycle: Stable x3)</p> <p><b>Cause for Rejection:</b> Bacterial contamination, hemolysis, and lipemia.</p>			

GENERAL INFORMATION

Expected TAT	7 days									
Clinical Use	<p>This test is a preferred screening test for patients suspected to have bullous pemphigoid and its variants. The antibody levels can be used to monitor the effectiveness of drug treatment. The diverse spectrum of pemphigoid diseases is characterized by the formation of subepidermal blisters, which can develop in both the skin and mucous membranes. These conditions involve circulating autoantibodies that specifically target components found in the dermal-epidermal junction. Bullous pemphigoid (BP) presents with tense, swollen blisters that can appear on either inflamed or non-inflamed skin, with mucous membranes being rarely affected. The patient's serum contains IgG antibodies that primarily target hemidesmosomal proteins, namely BP180 and BP230. BP180 is a transmembrane glycoprotein with its primary immunogenic epitopes located in the extracellular 16th non-collagenous domain (BP180-NC16 A). Pemphigoid gestationis is a variant of BP that occurs in pregnant women and during the postpartum period, resulting in the development of urticarial plaques and/or tense blisters. Mucous membrane pemphigoid affects one or more mucous membranes such as the oral, ocular, genital and anal regions, and can also involve the skin. Patients with this condition exhibit low-titer IgG/IgA autoantibodies directed against components of the basement membrane zone, with BP180 and laminin 332 being the two primary targets.</p>									
Performing Labcorp Test Code	163995									
Notes	<table><tr><th>RESULT CODE</th><th>RESULT NAME</th><th>LOINC</th></tr><tr><td>5194674</td><td>Bullous Pemphigoid Ag 2 Ab (BP180)</td><td>53842-1</td></tr><tr><td>5194675</td><td>Bullous Pemphigoid Ag 1 Ab (BP230)</td><td>53843-9</td></tr></table>	RESULT CODE	RESULT NAME	LOINC	5194674	Bullous Pemphigoid Ag 2 Ab (BP180)	53842-1	5194675	Bullous Pemphigoid Ag 1 Ab (BP230)	53843-9
RESULT CODE	RESULT NAME	LOINC								
5194674	Bullous Pemphigoid Ag 2 Ab (BP180)	53842-1								
5194675	Bullous Pemphigoid Ag 1 Ab (BP230)	53843-9								
CPT Code(s)	83516x2									
Lab Section	Reference Lab									