

**COMMON VARIABLE IMMUNODEFICIENCY CONFIRMATION FLOW
PANEL
#87993**

USEFUL FOR:

- Screening for common variable immunodeficiency (CVID) and hyper-IgM syndromes
- Identifying defects in TACI and BAFF-R in patients presenting with clinical symptoms and other laboratory features consistent with CVID
- Assessing B cell immune competence by assessing expression of BAFF-R and TACI proteins

METHODOLOGY: Fluorescent Flow Cytometry

REFERENCE VALUES: Reference Values apply to all ages.

%CD19+TACI+: >3.4%

%CD19+BAFF-R+: >90.2%

SPECIMEN REQUIREMENTS: Send specimens Sunday through Thursday only. Specimens must arrive within 72 hours of draw and by 10 a.m. on Friday. Collect and package specimens as close to shipping time as possible. Ship specimens priority overnight.

Draw blood in a lavender-top (EDTA) tube(s), and send 4 mL of EDTA whole blood refrigerated in original VACUTAINER(S) if < or = 18 years or 10 mL of EDTA whole blood refrigerated in original VACUTAINER(S) if >18 years. **Do not aliquot. Specimen cannot be frozen.**

NOTE: Ordering physician name and phone number are required on request form for processing.

CAUTIONS:

- CVID testing should not be ordered serially.
- This test should not be ordered for general evaluation of immune competence.
- This test is preferable to order ONLY when there is clear evidence for CVID and/or evidence of dysregulated B cell subsets (see also #88800, B-Cell Phenotyping Profile for Immunodeficiency and Immune Competence Assessment, Blood).

CPT CODE: 88184 Flow cytometry, first marker
88185/x2 Flow cytometry, each additional marker

LIST FEE: \$412.00

ANALYTIC TIME: 1 day

DAY(S) SET-UP: Monday through Friday; 7:30 a.m.-4 p.m.

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager
Shirley Pokorski, Mayo Medical Laboratories' Technologist Support
Telephone: 800-533-1710



TEST DEFINITION

7/14/2009

CODE NAME

87993 CVID CONFIRMATION FLOW PANEL

ORDER CODE	EFF DATE	TC	TITLE	CHECKING NORMALS	PRINT NORMALS (# CODED)	PERFORM SITE *
87993	11/27/2007		CVID CONFIRMATION FLOW PANEL			MCR
			TRANSPORT TEMP : REFRIG <72 HOURS\FROZEN NO\AMBIENT OK			
		28113	CD19+ TACI+ % OF CD19 B CELLS			
			UNITS: %			
			NO SEX			
			ALL AGES : 3.5-		; >3.4	
			MALE			
			ALL AGES : 3.5-		; >3.4	
			FEMALE			
			ALL AGES : 3.5-		; >3.4	
			- - - - -			
		28121	CD19+ BAFF- % OF CD19 B CELLS			
			UNITS: %			
			NO SEX			
			ALL AGES : 90.3-		; >90.2	
			MALE			
			ALL AGES : 90.3-		; >90.2	
			FEMALE			
			ALL AGES : 90.3-		; >90.2	
			- - - - -			
		28124	INTERPRETATION			
			TEST CODE ALWAYS MESSAGE - [ZASR]			
			ZASR ANALYTE SPECIFIC REAGENT			
			THIS TEST WAS DEVELOPED AND ITS PERFORMANCE CHARACTERISTICS			
			DETERMINED BY LABORATORY MEDICINE AND PATHOLOGY, MAYO			
			CLINIC. THIS TEST HAS NOT BEEN CLEARED OR			
			APPROVED BY THE U.S. FOOD AND DRUG ADMINISTRATION.			
			- - - - -			

*PERFORMING SITE LEGEND

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MCR MAYO CLINIC DPT OF LAB MED & PATHOLOGY
200 FIRST STREET SW
ROCHESTER, MN 55905

LAB DIRECTOR: FRANKLIN R. COCKERILL, III, M.D.

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LABORATORY SERVICE REPORT

1-800-533-1710

PATIENT NAME ANDERSON, TEST P		PATIENT NUMBER		AGE 49	SEX M	ACCESSION # G9131621-789
ORDERING PHYSICIAN		CLIENT ORDER #				ACCOUNT #
COLLECTION 07/14/09 08:35 A	RECEIVED 07/14/09 08:35 A	REPORT PRINTED 07/14/09 10:09 A		SPECIMEN INFORMATION DATE OF BIRTH: 5/1/1960		
DATE	TIME	DATE	TIME			
MAYO MEDICAL CENTER 200 FIRST ST, S.W. ROCHESTER, MN 55905 507-555-5555						

TEST REQUESTED	HI LO	REF RANGE	PERFORM SITE *
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CVID Confirmation Flow Panel

CD19+ TACI+ % of CD19 B cells	3.7	%	>3.4	MCR
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CD19+ BAFF- % of CD19 B cells	95.1	%	>90.2	MCR
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Interpretation				MCR
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Normal expression of BAFF-R

Normal expression of TACI

Analyte Specific Reagent

This test was developed and its performance characteristics

determined by Laboratory Medicine and Pathology, Mayo

Clinic. This test has not been cleared or

approved by the U.S. Food and Drug Administration.

* PERFORMING SITE

MCR	Mayo Clinic Dpt of Lab Med & Pathology 200 First Street SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.
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PATIENT NAME ANDERSON, TEST P	ORDER STATUS Final	COLLECTION DATE AND TIME 07/14/09 08:35 A
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Specimen receipt and report times are in CST/CDT

REPRINT

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