

Reporting Title: CD20, B-Cells  
Performing Location: Rochester

Ordering Guidance:

This is the correct test to order if specifically confirming the absence of B cells due to suspected primary humoral or combined immunodeficiency or evaluating for CD19 deficiency.

If desirous of only quantitatively measuring total CD19 or CD20+ B cells, order TBBS / Quantitative Lymphocyte Subsets: T, B, and Natural Killer (NK) Cells, Blood or CD20B / CD20 on B Cells, Blood, respectively. **Do not** order the detailed analysis of B cell subsets for this purpose.

This test **should not** be ordered for a comprehensive evaluation of peripheral B-cell subsets. For evaluation of memory B-cell subsets, transitional B cells, mature and immature B cells, order IABCS / B-Cell Phenotyping Profile for Immunodeficiency and Immune Competence Assessment, Blood.

This test **should not** be used for evaluating presence of CD20 on malignant or nonmalignant B cells. The following test should be used instead, CEE20 / CD20 Cell Expression Evaluation, Varies.

Shipping Instructions:

Collect and package specimens as close to shipping time as possible. It is recommended that specimens arrive within 24 hours of collection.

Necessary Information:

Date of collection is required.

Specimen Requirements:

Container/Tube: Lavender top (EDTA)

Specimen Volume: 3 mL

Collection Instructions: Send whole blood specimen in original tube. **Do not aliquot.**

Additional Information:

- 1. Secondary aliquot tubes will be rejected.
- 2. Testing will be canceled if the specimen is not received ambient.
- 3. For serial monitoring, it is recommended that specimens are collected at the same time of day.

Specimen Type	Temperature	Time	Special Container
Whole Blood EDTA	Ambient	4 days	PURPLE OR PINK TOP/EDTA

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
29579	%CD19 B-Cells	Alphanumeric	%	8117-4
29581	CD19 Absolute	Alphanumeric	cells/mcL	8116-6
29580	%CD20 B-Cells	Alphanumeric	%	8119-0
29582	CD20 Absolute	Alphanumeric	cells/mcL	9558-8
89584	CD45 Absolute	Alphanumeric	thou/mcL	27071-0

29583	Comment	Alphanumeric		48767-8
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LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

86355

86356

Reference Values:

%CD19 B CELLS

> or =19 years: 4.6-22.1%

CD19 ABSOLUTE

> or =19 years: 56.6-417.4 cells/mcL

%CD20 B CELLS

> or =19 years: 5.0-22.3%

CD20 ABSOLUTE

> or =19 years: 74.4-441.1 cells/mcL

CD45 ABSOLUTE

18-55 years: 0.99-3.15 thou/mcL

>55 years: 1.00-3.33 thou/mcL