

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 Minimum Volume:

1 mL

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

Result ID	Reporting Name	Type	Unit	LOINC®
89584	CD45 Absolute	Alphanumeric	thou/mcL	27071-0
29579	%CD19 B-Cells	Alphanumeric	%	8117-4
29580	%CD20 B-Cells	Alphanumeric	%	8119-0
29581	CD19 Absolute	Alphanumeric	cells/mcL	8116-6
29582	CD20 Absolute	Alphanumeric	cells/mcL	9558-8
29583	Comment	Alphanumeric		48767-8

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