

Arminlabs Test Ausland  
 Teststraße 1  
  
 99999 Musterhausen

 Patient : **Testbefund, CD19 erniedrigt**

Date of Birth: 08/18/1986 female

**Preliminary report**

 Order-ID : **839245698**

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Date of Reception/Report : 12/05/2022

12/22/2022

Analysis		Result	Units	Reference Range	Chart
<b>Haematology *</b>					
1 Blood count *					
1 Leucocytes *		6,99	Tsd./ul	4,00 - 10,40	[ ...*.... ]
1 Erythrocytes *	+	6,07	Mill./ul	3,96 - 5,16	[ ..... *> ]
1 Hemoglobin *	+	17,9	g/dl	11,6 - 15,5	[ ..... *> ]
1 Hematocrit *	+	59,80	%	35,00 - 45,00	[ ..... *> ]
1 MCV *	+	98,50	fl	80,00 - 96,00	[ ..... *> ]
1 MCH *		29,50	pg	26,00 - 33,00	[ ....*.... ]
1 MCHC *	-	29,90	g/dl	32,00 - 36,00	<* ..... ]
1 Thrombocytes *		276,00	Tsd./ul	176,00 - 391,00	[ ...*.... ]
1 Differential Blood count *					
1 Neutroph. Granulocytes *		67,00	%	40,00 - 75,00	[ ..... *. ]
1 Lymphocytes *		24,20	%	17,00 - 47,00	[ .*..... ]
1 Monocytes *		5,60	%	4,00 - 12,00	[ .*..... ]
1 Eosin. Granulocytes *		1,30	%	< 7,00	[ .*..... ]
1 Basoph. Granulocytes *		1,90	%	< 2,00	[ ..... * ]
<b>CD3-/CD57+ Cells</b>					
1 CD3-/CD56+ Flow Cytometry					
1 T cells CD3+ (%)		69,43	%	59,70 - 82,00	[ ...*.... ]
1 T cells CD3+ (absolute)		1174	/ul	900 - 2600	[ .*..... ]
1 B cells CD19+	-	4,30	%	7,20 - 22,50	<* ..... ]
1 B cells CD19+ (absolute)	-	73	/ul	100 - 600	<* ..... ]
1 NK cells CD56+ CD3- (%)		17,68	%	5,40 - 30,90	[ ...*.... ]
1 NK cells CD56+ CD3- (absolute)		299	/ul	77 - 427	[ .....*.. ]
1 CD57+ NK cells (%)		45,79	%	2,00 - 77,00	[ ....*.... ]
1 CD57+ NK cells (absolute)		137	/ul	100 - 360	[ .*..... ]

Low numbers of the absolute B cells CD19+ can be sign of general B cell lymphocytopenia: cellular immunodeficiencies, stressful situations, therapies with cortisone or with B cell depleting antibodies.

Chemotherapies, radiation therapies, infections with pathogens that damage the immune system and higher levels of mycotoxins biomarkers can be the reason for low CD19.

**Validated by**
**AL Dr. Mihail Pruteanu**