

CERTIFICATE

Survey of 24 October 2025

You have fulfilled the requirements of the External Quality Assessment with the following analysis

Immunophenotyping - Cellular Immunodeficiency Diagnostic (651):

Validity 12 months:

Lymphocytes

T-Cells

alpha/beta T-Cells (% of CD3+)

gamma/delta T-Cells (% of CD3+)

activated T-Cells (HLA-DR+) (% of CD3+)

DNTs (CD4- CD8- CD3+ TCRa/b +) (% of CD3+)

T-Helper Cells

RTE T-Helper Cells (% of CD3+CD4+)

regulatory T-Cells (CD25/127) (% of CD3+CD4+)

regulatory T-Cells (with FoxP3) (% of CD3+CD4+)

cytotoxic T-Cells

naive cytotoxic T-Cells (% of CD3+CD8+)

cytotoxic central memory T-Cells (% of CD3+CD8+)

cytotoxic effector memory T-Cells (% of CD3+CD8+)

cytotoxic effector T-Cells (% of CD3+CD8+)

(R) analysis is subject to the RiliBÄK

Customer:

10072065

Laboratorium Immunologii i Transplantologii

Klinicznej UCK Gdańsk

Smoluchowskiego 17

80-214 Gdańsk



Düsseldorf, 18 December 2025

Prof. Dr. med. Michael Spannagl
(Head of Reference Institution)

Prof. Dr. med. Ulrich Sack
(Adviser)

Dr. Uwe Kölsch
(Adviser)

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You have fulfilled the requirements of the External Quality Assessment with the following analysis

Immunophenotyping - Cellular Immunodeficiency Diagnostic (651):

Validity 12 months:

B-Cells

B-Cells (memory) (% of CD19+)

B-Cells (non-switched memory) (% of CD19+)

Plasmablasts (% of CD19+)

NK-Cells

cytolytic NK-Cells (% of NK)

regulatory NK-Cells (CD56bright) (% of NK)

NKT-like-Cells

CD11a on Granulocytes (% of granulocytes)

CD18 on Granulocytes (% of granulocytes)

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CERTIFICATE OF PARTICIPATION

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You have participated in the External Quality Assessment with the following analysis

Immunophenotyping - Cellular Immunodeficiency Diagnostic (651):

Lymphocytes

T-Cells

alpha/beta T-Cells (% of CD3+)

gamma/delta T-Cells (% of CD3+)

activated T-Cells (HLA-DR+) (% of CD3+)

DNTs (CD4- CD8- CD3+ TCRa/b +) (% of CD3+)

T-Helper Cells

T-Cells (CD3+/CD4+) - naive (% of CD3+CD4+)

central memory T-Helper Cells (% of CD3+CD4+)

effector memory T-Helper Cells (% of CD3+CD4+)

effector T-Helper Cells (% of CD3+CD4+)

RTE T-Helper Cells (% of CD3+CD4+)

regulatory T-Cells (CD25/127) (% of CD3+CD4+)

regulatory T-Cells (with FoxP3) (% of CD3+CD4+)

cytotoxic T-Cells

naive cytotoxic T-Cells (% of CD3+CD8+)

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Immunophenotyping - Cellular Immunodeficiency Diagnostic (651):

cytotoxic central memory T-Cells (% of CD3+CD8+)
cytotoxic effector memory T-Cells (% of CD3+CD8+)
cytotoxic effector T-Cells (% of CD3+CD8+)
B-Cells
B-Cells (transitional) (% of CD19+)
B-Cells (memory) (% of CD19+)
B-Cells (non-switched memory) (% of CD19+)
B-Cells (switched memory) (% of CD19+)
B-Cells CD21/CD38 low (activated) (% of CD19+)
Plasmablasts (% of CD19+)
NK-Cells
cytolytic NK-Cells (% of NK)
regulatory NK-Cells (CD56bright) (% of NK)
NKT-like-Cells
CD11a on Granulocytes (% of granulocytes)
CD18 on Granulocytes (% of granulocytes)

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