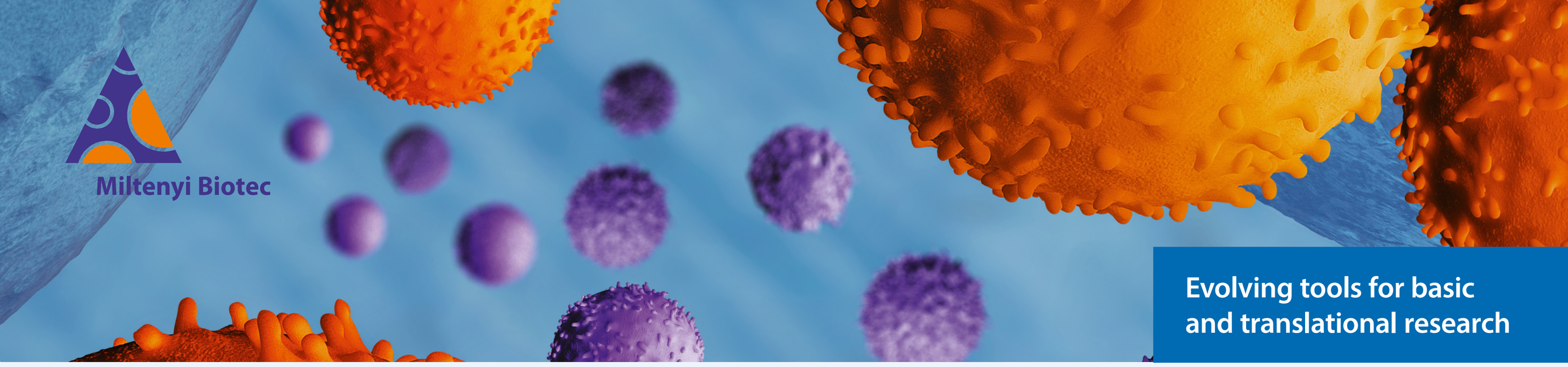


Miltenyi Biotec

Evolving tools for basic and translational research

MACS® Human and Mouse Gentle T Cell Isolation

Human T Cells
Separation reagents

T cells

CD2 MicroBeads
130-091-114
CD3 MicroBeads
130-050-101
REAlease® CD3 MicroBead Kit
130-117-038
CD28 MicroBead Kit # 130-093-247
MACSxpress® Whole Blood Pan T Cell Isolation Kit, human
130-098-193
MACSxpress LRSC Pan T Cell Isolation Kit, human
130-119-997
MACSxpress Buffy Coat Pan T Cell Isolation Kit, human
130-120-001
StraightFrom® Whole Blood CD3 MicroBeads
130-090-874
StraightFrom Buffy Coat CD3 MicroBead Kit, huma# 130-121-310
StraightFrom LRSC CD3 MicroBead Kit, human
130-121-309
StraightFrom Leukopak® CD3 MicroBead Kit, human
130-122-365
StraightFrom Buffy Coat REAlease CD3 MicroBead Kit, human
130-127-142

Activated T cells

CD25 MicroBeads II
130-092-983
CD30 MicroBeads
130-051-401
CD69 MicroBead Kit II
130-092-355
CD154 MicroBead Kit
130-092-658
CD137 MicroBead Kit
130-093-476

DN T cells

Double-negative T Cell Isolation Kit
130-092-614

Naive Pan T cells

Naive Pan T Cell Isolation Kit
130-097-095

TCRγ/δ⁺ T cells

Anti-TCRγ/δ MicroBead Kit
130-050-701
TCRγ/δ⁺ T Cell Isolation Kit
130-092-892

CD8⁺ T cells

CD8 MicroBeads
130-045-201
REAlease CD8 MicroBead Kit
130-117-036
CD8⁺ T Cell Isolation Kit
130-096-495
MACSxpress® Whole Blood CD8 T Cell Isolation Kit
130-098-194
StraightFrom Whole Blood CD8 MicroBeads
130-090-878
StraightFrom Buffy Coat CD8 MicroBead Kit
130-114-978
StraightFrom LRSC CD8 MicroBead Kit
130-117-027
StraightFrom Leukopak CD8 MicroBead Kit
130-117-019
StraightFrom Buffy Coat REAlease CD8 MicroBead Kit, human
130-127-139

NKT cells

Anti-iNKT MicroBeads
130-094-842
CD3⁺CD56⁺ NKT Cell Isolation Kit
130-093-064

CD4⁺ T cells

CD4 MicroBeads
130-045-101
REAlease CD4 MicroBead Kit
130-117-037
CD4⁺ T Cell Isolation Kit
130-096-533
MACSxpress Whole Blood CD4 T Cell Isolation Kit
130-098-195
StraightFrom Buffy Coat CD4 MicroBead Kit
130-114-980
StraightFrom LRSC CD4 MicroBead Kit
130-117-028
StraightFrom Leukopak CD4 MicroBead Kit
130-117-022
StraightFrom Whole Blood CD4 MicroBeads
130-090-877
MACSxpress LRSC CD4 T Cell Isolation Kit
130-120-000
MACSxpress Buffy Coat CD4 T Cell Isolation Kit
130-120-003
StraightFrom Buffy Coat REAlease CD4 MicroBead Kit, human
130-127-149

Treg cells

CD25 MicroBeads II
130-092-983
CD127 MicroBead Kit
130-094-945
CD4⁺CD25⁺ Regulatory T Cell Isolation Kit
130-091-301
CD4⁺CD25⁺CD127$^{dim/-}$ Regulatory T Cell Isolation Kit II
130-094-775
CD25⁺CD49d⁻ Regulatory T Cell Isolation Kit
130-094-551
CD4⁺CD25⁺CD45RA⁺ Regulatory T Cell Isolation Kit
130-093-631
MACSxpress Whole Blood Treg Isolation Kit
130-109-557

Tumor-infiltrating leukocytes (TIL)

CD45 (TIL) MicroBeads
130-118-780
REAlease CD45 (TIL) MicroBead Kit, human
130-121-563
REAlease CD3 (TIL) MicroBead Kit, human,
130-121-562
REAlease CD4 (TIL) MicroBead Kit, human,
130-121-559
REAlease CD8 (TIL) MicroBead Kit, human,
130-121-560
REAlease CD4/CD8 (TIL) MicroBead Kit, human,
130-121-561

CD4⁺ T cell subsets

CD4⁺ RTE

CD4⁺ Recent Thymic Emigrant Isolation Kit
130-094-299

Naive CD4⁺ T cells

Naive CD4⁺ T Cell Isolation Kit II
130-094-131
Pre-selection with:
CD4⁺ T Cell Isolation Kit
 # 130-096-533
CD62L MicroBeads
130-091-758
REAlease® CD62L MicroBead Kit, human,
130-124-203
CD45RA MicroBeads
130-045-901
CD45RO MicroBeads
130-046-001

Skin-homing T cells

Anti-CLA MicroBead Kit
130-092-464

Memory CD4⁺ T cells

Memory CD4⁺ T Cell Isolation Kit
130-091-893
MACSxpress® Whole Blood CD4 T Cell Isolation Kit, human
130-098-195

TEM

CD4⁺ Effector Memory T Cell Isolation Kit
130-094-125

TCM

CD4⁺ Central Memory T Cell Isolation Kit
130-094-302

TH1 cells

IFN-γ Secretion Assay – Cell Enrichment and Detection Kit (PE)
130-054-201

TH2 cells

CD294 (CRTH2) MicroBead Kit
130-091-274
IL-4 Secretion Assay – Cell Enrichment and Detection Kit (PE)
130-054-101

TH17 cells

IL-17 Secretion Assay – Cell Enrichment and Detection Kit (PE)
130-094-542

TH22 cells

IL-22 Secretion Assay – Cell Enrichment and Detection Kit (PE)
130-108-274

CD8⁺ T cell subsets

Naive CD8⁺ T cells

Naive CD8⁺ T Cell Isolation Kit
130-093-244
Pre-selection with:
CD8⁺ T Cell Isolation Kit
 # 130-096-495
CD45RA MicroBeads
130-045-901
CD45RO MicroBeads
130-046-001

Effector T cells

Pre-selection of CD8⁺ T cells with:
CD8⁺ T Cell Isolation Kit
130-096-495
CD27 MicroBeads
130-051-601

Memory CD8⁺ T cells

CD8⁺ Memory T Cell Isolation Kit
130-094-412

TEMRA

CD8⁺CD45RA⁺ Effector T Cell Isolation Kit
130-094-485

Color code for the use of MACS® Cell Separation products

- Positive selection (labeling of target cells)
- Depletion (labeling for removal of an unwanted cell type)
- Isolation of untouched cells using a depletion cocktail
- Positive selection directly from blood products
- Sequential separation (combination of depletion of non-target cells and positive selection)

Legend

DN T cell	Double-negative T cell
iNKT	Invariant natural killer T cell
NKT cell	Natural killer T cell
RTE	Recent thymic emigrant
TCM	Central memory T cell
TEM	Effector memory T cell
TEMRA	Effector memory CD45RA⁺ T cell
TH cell	T helper cell
Treg cell	Regulatory T cell
TCR	T cell receptor

For rat and non-human primate cell isolation products, visit **www.miltenyibiotec.com/cellseparation**
Our T cell separation portfolio is continuously growing. Please check our website for new products and updates.

Mouse T Cells
Separation reagents

T cells

CD3ε MicroBead Kit
130-094-973
CD90.1 MicroBeads
130-121-273
CD90.2 MicroBeads
130-121-278
CD5 (Ly-1) MicroBeads
130-049-301
Pan T Cell Isolation Kit II
130-095-130

Memory T cells

Pre-selection with:
CD4⁺ or CD8a⁺ T Cell Isolation Kit
 # 130-104-454 (CD4)
 # 130-104-075 (CD8)
CD62L (L-selectin) MicroBeads
130-049-701
CD62L (L-selectin) MicroBeads
130-049-701

Activated T cells

CD25 MicroBead Kit
130-091-072
CD154 Enrichment and Detection Kit (PE)
130-093-129

Naive CD4⁺ T cells

Naive CD4⁺ T Cell Isolation Kit
130-104-453
CD4⁺CD62L⁺ T Cell Isolation Kit
130-106-643

Treg cells

CD4⁺ CD25⁺ Regulatory T Cell Isolation Kit
130-091-041
CD25 MicroBead Kit
130-091-072
CD62L (L-selectin) MicroBeads
130-049-701

CD4⁺ T cells

CD4 (L3T4) MicroBeads
130-117-043
CD4⁺ T Cell Isolation Kit
130-104-454

TH1 cells

Mouse IFN-γ Secretion Assay – Cell Enrichment and Detection Kit (PE)
130-090-517

TH2 cells

Mouse IL-4 Secretion Assay – Cell Enrichment and Detection Kit (PE)
130-090-515

TH17 cells

Mouse IL-17 Secretion Assay – Cell Enrichment and Detection Kit (PE)
130-094-213

CD8⁺ T cells

CD8a (Ly-2) MicroBeads
130-117-044
CD8a⁺ T Cell Isolation Kit
130-104-075

Naive CD8a⁺ T cells

Naive CD8a⁺ T Cell Isolation Kit
130-096-543

TCR γ/δ⁺ T cells

TCRγ/δ⁺ T Cell Isolation Kit
130-092-125

iNKT cells

NK1.1⁺ iNKT Cell Isolation Kit
130-096-513

Tumor-infiltrating leukocytes (TIL)

CD4 (TIL) MicroBeads
130-116-475
CD8 (TIL) MicroBeads
130-116-478
CD4/ CD8 (TIL) MicroBeads
130-116-480
CD45 (TIL) MicroBeads
130-110-618

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