



SINGLE-CELL SECRETOME

The Single-Cell Secretome solution enables the discovery of better biomarkers and accelerated development through functional immune landscaping of each immune cell, allowing for complete single-cell functional characterization. Detect rare subsets of highly functionally active cells to reveal functional biological drivers of persistence, potency, durability and more.

Human Adaptive Immune

Granzyme B, IFN- γ , MIP-1 α , Perforin, TNF- α , TNF- β , GM-CSF, IL-2, IL-5, IL-7, IL-8, IL-9, IL-12, IL-15, IL-21, CCL11, IP-10, MIP-1 β , RANTES, IL-4, IL-10, IL-13, IL-22, TGF β 1, sCD137, sCD40L, IL-1 β , IL-6, IL-17A, IL-17F, MCP-1, MCP-4

Mouse Adaptive Immune

Granzyme B, IFN- γ , MIP-1 α , TNF- α , GM-CSF, IL-2, IL-5, IL-7, IL-12p70, IL-15, IL-21, sCD137, CCL11, CXCL1, CXCL13, IP-10, RANTES, Fas, IL-4, IL-10, IL-13, IL-27, TGF β 1, IL-6, IL-17A, MCP-1, IL-1 β

Human Innate Immune

IFN- γ , MIP-1 α , TNF- α , TNF- β , GM-CSF, IL-8, IL-9, IL-15, IL-18, TGF- α , IL-5, CCL11, IP-10, MIP-1 β , RANTES, BCA-1, IL-10, IL-13, IL-22, sCD40L, IL-1 β , IL-6, IL-12-p40, IL-12, IL-17A, IL-17F, MCP-1, MCP-4, MIF, EGF, PDGF-BB, VEGF

Human Inflammation

GM-CSF, IFN- γ , IL-2, IL-12, TNF- α , TNF- β , IL-4, IL-5, IL-7, IL-9, IL-13, CCL11, IL-8, IP-10, MCP-1, MCP-4, MIP-1 α , MIP-1 β , RANTES, IL-10, IL-15, IL-22, TGF- β 1, IL-1 β , IL-6, IL-17A, IL-17F, IL-21, Granzyme B, Perforin, sCD40L, sCD137

Mouse Innate Immune

IFN- γ , TNF- α , MIP-1 α , IL-15, GM-CSF, IL-5, IL-10, IL-13, IL-6, IL-17A, MCP-1, IP-10, MIP-1 β , EGF, PDGF-BB, MIF

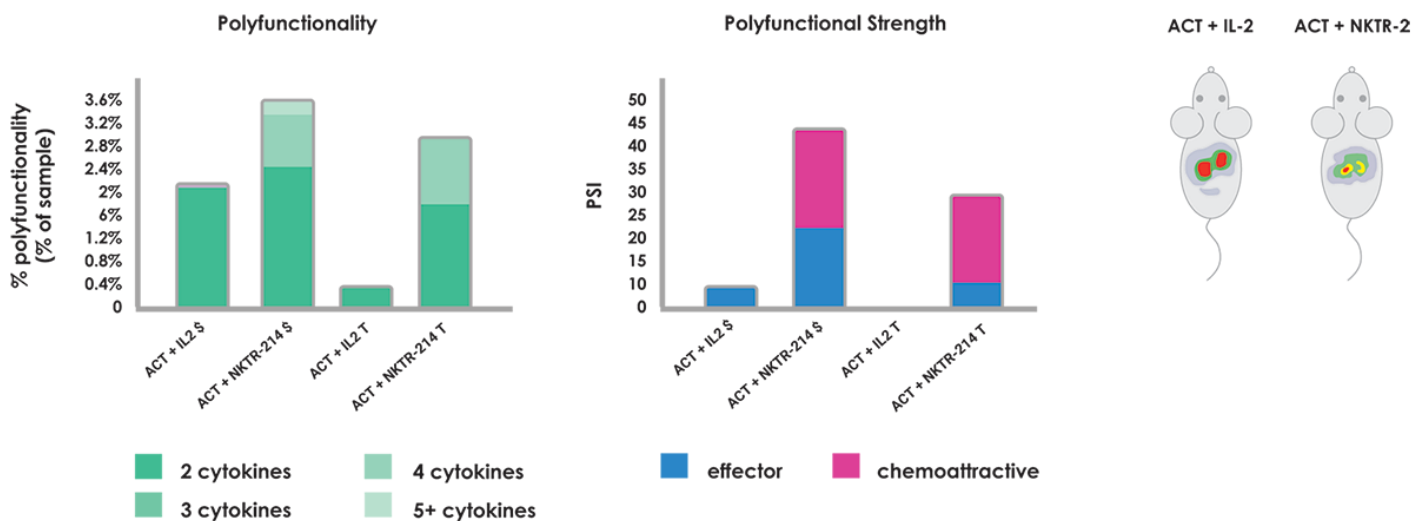
Human Natural Killer

Granzyme B, IFN- γ , MIP-1 α , Perforin, TNF- α , TNF- β , GM-CSF, IL-2, IL-5, IL-7, IL-8, IL-9, IL-12, IL-15, IL-21, CCL11, IP-10, MIP-1 β , RANTES, IL-4, IL-10, IL-13, IL-22, TGF β 1, sCD137, sCD40L, IL-1 β , IL-6, IL-17A, IL-17F, MCP-1, MCP-4



Includes **abcam** antibodies

Bruker's Functional Immune Landscaping Enables Critical Single-Cell Discoveries



Polyfunctionality is considerably increased in samples treated with ACT+NKTR-214 vs ACT+IL-2. NKTR2-14 elicited more polyfunctional cell subsets.

Parisi, G., Saco, J.D., Salazar, F.B. et al. Persistence of adoptively transferred T cells with a kinetically engineered IL-2 receptor agonist. Nat Commun 11, 660 (2020).



ISOCODE CHIPS - ISOLIGHT	PRODUCT CODE
Single-Cell Adaptive Immune Chip – (H) 4	ISOCODE-1001-4
Single-Cell Adaptive Immune Chip – (H) 8	ISOCODE-1001-8
Single-Cell Adaptive Immune Chip – (M) 4	ISOCODE-1004-4
Single-Cell Adaptive Immune Chip – (M) 8	ISOCODE-1004-8
Single-Cell Adaptive Immune Chip – (M) 4	ISOCODE-1004-4
Single-Cell Adaptive Immune Chip – (M) 8	ISOCODE-1004-8
Single-Cell Inflammation Chip – (H) 4	ISOCODE-1003-4
Single-Cell Inflammation Chip – (H) 8	ISOCODE-1003-8
Single-Cell Innate Immune Chip – (H) 4	ISOCODE-3L02-4
Single-Cell Innate Immune Chip – (H) 8	ISOCODE-3L02-8
Single-Cell Innate Immune Chip – (M) 4	ISOCODE-3L04-4
Single-Cell Innate Immune Chip – (M) 8	ISOCODE-3L04-8
Single-Cell Natural Killer Chip – (H) 4	ISOCODE-3L03-4
Single-Cell Natural Killer Chip – (H) 8	ISOCODE-3L03-8

ISOCODE CHIPS - ISOSPARK	PRODUCT CODE
Single-Cell Adaptive Immune Chip – (H) 4	ISOCODE-1001-4
Single-Cell Adaptive Immune Chip – (M) 4	ISOCODE-1004-4
Single-Cell Inflammation Chip – (H) 4	ISOCODE-1003-4
Single-Cell Innate Immune Chip – (H) 4	ISOCODE-3L02-4
Single-Cell Innate Immune Chip – (M) 4	ISOCODE-3L04-4
Single-Cell Natural Killer Chip – (H) 4	ISOCODE-3L03-4

PANELS - ISOLIGHT	PRODUCT CODE
Single-Cell Adaptive Immune Panel – (H) 4	PANEL-1001-4
Single-Cell Adaptive Immune Panel – (H) 8	PANEL-1001-8
Single-Cell Adaptive Immune Panel – (M) 4	PANEL-1004-4
Single-Cell Adaptive Immune Panel – (M) 8	PANEL-1004-8
Single-Cell Inflammation Panel – (H) 4	PANEL-1003-4
Single-Cell Inflammation Panel – (H) 8	PANEL-1003-8
Single-Cell Innate Immune Panel – (H) 4	PANEL-3L02-4
Single-Cell Innate Immune Panel – (H) 8	PANEL-3L02-8
Single-Cell Innate Immune Panel – (M) 4	PANEL-3L04-4
Single-Cell Innate Immune Panel – (M) 8	PANEL-3L04-8
Single-Cell Natural Killer Panel – (M) 4	PANEL-3L03-4
Single-Cell Natural Killer Panel – (M) 8	PANEL-3L03-8

PANELS - ISOSPARK	PRODUCT CODE
Single-Cell Adaptive Immune Panel – (H) 4	S-PANEL-1001-4
Single-Cell Adaptive Immune Panel – (M) 4	S-PANEL-1004-4
Single-Cell Inflammation Panel – (H) 4	S-PANEL-1003-4
Single-Cell Innate Immune Panel – (H) 4	S-PANEL-3L02-4
Single-Cell Innate Immune Panel – (M) 4	S-PANEL-3L04-4
Single-Cell Natural Killer Panel – (H) 4	S-PANEL-3L03-4

RESEARCH AREAS

- Cancer Immunology
- Cell Therapy
- Infectious Disease
- Inflammation
- Targeted Therapies