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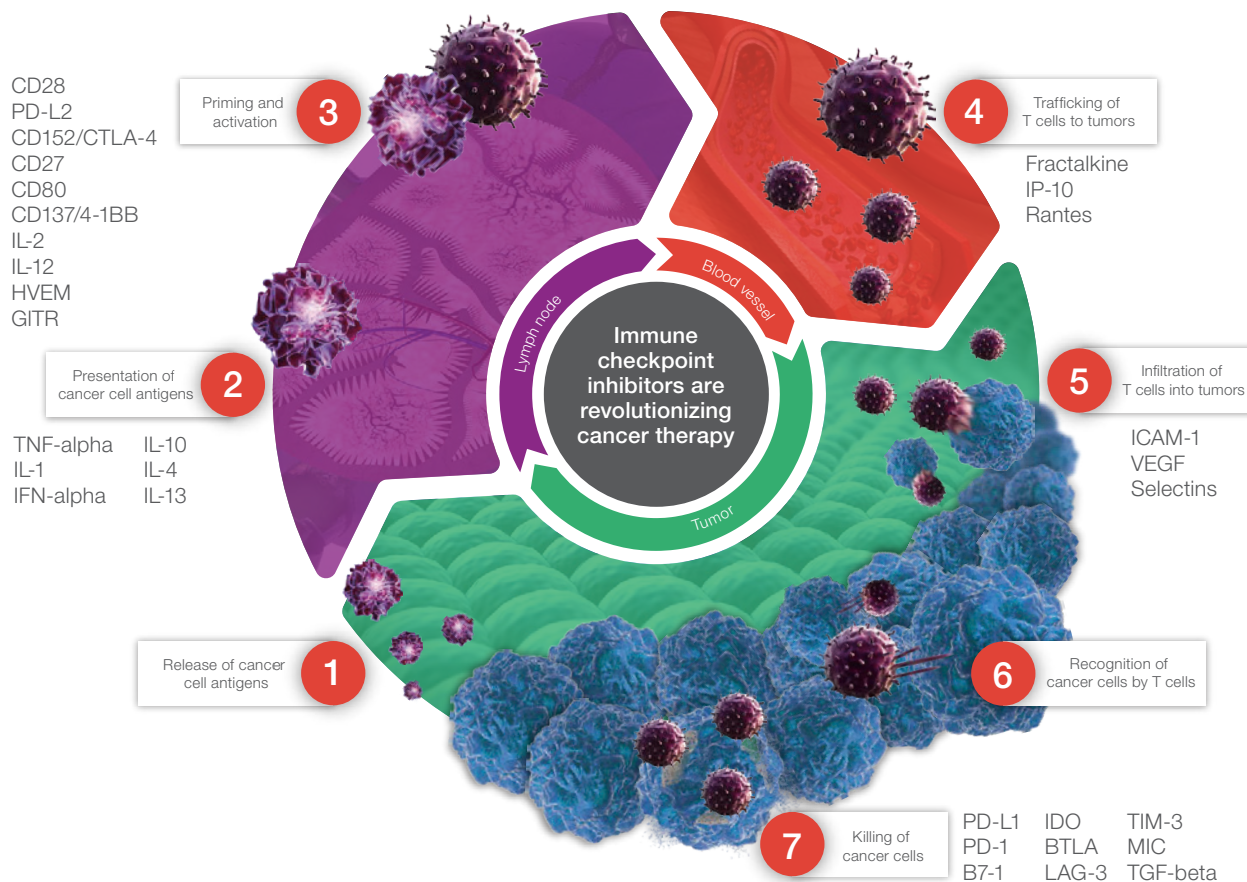
HMGB-1

Immuno-Oncology Cytokine 分析

癌症已成為開發國家主要的死亡原因之一，在台灣更是長年居位十大死因之首。癌症的發展是由正常細胞發生不正常的增生所致，而細胞不正常增生主因有二，一是致癌基因過度表現，二是抑癌基因突變。主要有下列幾個關鍵點被認為是癌症的標誌，分別為 sustain proliferative signaling, evade growth factors, activate invasion and metastasis, resist cell death, avoid immune destruction and tumor-promoting inflammation, induce angiogenesis。

免疫治療是目前最熱門的癌症治療方針，其中的免疫檢查點藥物被認為是最有潛力的新型抗癌藥物，像是 PD-1/PD-L1 抑制劑，但仍有其他免疫檢查點蛋白的作用機轉尚待釐清。Invitrogen™ ProcartaPlex™ 提供高通量的多重因子檢測工具，可測量水溶性細胞因子的表現量，徹底了解癌症發展和轉移中的標誌物。

以下提供免疫治療癌症的相關免疫檢查點：



ProcartaPlex Immunoassays

產品特色

- **多重偵測技術** 可同時定量100種蛋白質的表現
- **物種多** Human、Mouse、Rat、Porcine、Canine、Non Human Primate
- **結省珍貴檢體** 只需 25ul。Serum、Plasma、Cell culture supernatant、Cell & tissue lysate 皆適用
- **省荷包** 偵測標的物越多越划算
- **靈敏度高** pg/ml sensitivity
- **產品選擇彈性化** Panel可互相搭配，也提供全客製化組合

更多Procartaplex panel 請見



Immuno-Oncology related panel

ProcartaPlex panel	Analytes	Cat. No.
Angiogenesis 18-Plex Human ProcartaPlex Panel	Angiopoietin-1, BMP-9, CD31 (PECAM-1), EGF, EMMPRIN, follistatin, FGF-2, G-CSF (CSF-3), HB-EGF, HGF, IL-8 (CXCL8), leptin, LYVE-1, PDGF-BB, syndecan, TIE-2, VEGF-A, VEGF-D	EPX180-15806-901
Angiogenesis 3-Plex Human ProcartaPlex Panel 2	Angiogenin, angiostatin, endostatin	EPX030-15807-901
Apoptosis 6-Plex Human ProcartaPlex Panel	Bcl-2, caspase-3 (active), cleaved PARP, cytochrome C, GAPDH, p53	EPX06A-15823-901
Apoptotic Cell Clearance 12-Plex Human ProcartaPlex Panel	AXL, CD36, CALR (CRT), Gas6, LOX-1, MBL, Mer (MERTK), CD31 (PECAM-1), PAI-1 (Serpin), uPAR, RAGE, TYRO3	EPX120-15816-901
Cell Death 4-Plex Human ProcartaPlex Panel	HSP70, HSP90, Dkk-1, HMGB1 (HMG-1)	EPX040-15843-901
Cell Proliferation and Metastasis 13-Plex Human ProcartaPlex Panel 1	AFP (Alpha-fetoprotein), ADAM12, PAPP-A, CD66f (PSBG-1), thrombomodulin (TM), HO-1 (heme oxygenase 1), galectin-1, hCG, IGFBP-1, CD171 (NCAM-L1), beta-catenin, N-cadherin, nectin-4	EPX130-15841-901
Cell Proliferation and Metastasis 12-Plex Human ProcartaPlex Panel 2	MIP-4 (CCL18), haptoglobin, IGFBP-3, HGFR (c-Met), MIA, VE-cadherin, cathepsin D, CEA (CEACAM-5), periostin (OSF-2), beta-2-microglobulin (B2M), IGFBP-2, EGFR (ErbB1)	EPX120-15842-901
Cell Proliferation 8-Plex Human ProcartaPlex Panel	IGF-2, midkine (MK), SPARC (osteonectin), TrkB, HSP27, glypican-1 (GPC1), EpCAM, HSP60	EPX080-15844-901
Exosome Characterization 6-Plex Human ProcartaPlex Panel	CD81, CD63, CD9, syntenin-1, VLA-4, cytochrome c	EPX060-15845-901
Growth Factor 11-Plex Human ProcartaPlex Panel	BDNF, EGF, FGF-2, HGF, LIF, NGF beta, PDGF-BB, PIGF-1, SCF, VEGF-A, VEGF-D	EPX110-12170-901
熱賣 Immune Checkpoint 37-Plex Human ProcartaPlex Panel	Arginase-1, B7-H6, BTLA, CD134 (OX40), CD137 (4-1BB), CD152 (CTLA4), CD27, CD276 (B7-H3), CD28, CD47 (IAP), CD48 (BLAST-1), CD73 (NT5E), CD80, CD96 (Tactile), E-cadherin, GITR, HVEM, ICOS ligand (B7-H2), IDO, LAG-3, MICA, MICB, nectin-2, PD-1, PD-L1, PD-L2, perforin, PVR, S100A8/A9, siglec-7, siglec-9, TIM-3, TIMD-4, ULBP-1, ULBP-3, ULBP-4, VISTA (B7-H5)	EPX370-15846-901
Immuno-Oncology Checkpoint 14-Plex Human ProcartaPlex™ Panel 1	CD27, CD28, CD137 (4-1BB), GITR, HVEM, BTLA, CD80, CD152 (CTLA4), IDO, LAG-3, PD-1, PD-L1, PD-L2, TIM-3	EPX14A-15803-901
Immuno-Oncology Checkpoint 14-Plex Human ProcartaPlex™ Panel 2	MICA, MICB, Perforin, ULBP-1, ULBP-3, ULBP-4, Arginase-1, CD73 (NT5E), CD96 (Tactile), E-Cadherin, Nectin-2, PVR, Siglec-7, Siglec-9	EPX140-15815-901
Immuno-Oncology Checkpoint 9-Plex Human ProcartaPlex™ Panel 3	B7-H6, CD276 (B7-H3), CD47 (IAP), CD48 (BLAST-1), CD134 (OX40), ICOS Ligand (B7-H2), TIMD-4, S100A8/A9, VISTA (B7-H5)	EPX090-15820-901



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