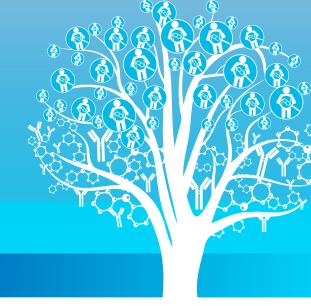


DISCOVERY

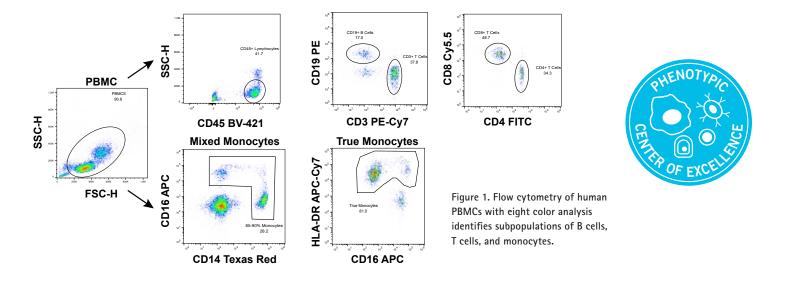
## **BIOMARKER SERVICES**

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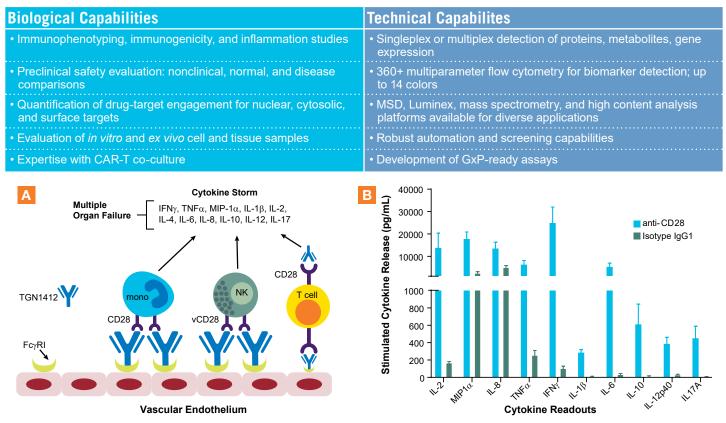


Figure 2. Mechanism model and cytokine release data describing cytokine storm induction. A. Superagonist therapeutic mAb TGN1412 binds cell surface receptors CD28 or variant CD28 and simultaneously FcyRI on vascular endothelial cells, promoting rapid release of multiple proinflammatory cytokines from monocytes (mono), natural killer (NK), and T cells. Subsequent exponential release of cytokines leads to endothelial cell damage, loss of capillary integrity, and multiple organ failure. B. Immobilized superagonist anti-CD28 mAb (clone ANC28.1/5D10) stimulates robust induction of pro-inflammatory cytokines in human PBMCs. Induction levels of each cytokine were interpolated from a standard curve using 5-point non-linear regression analysis.

#### SELECT BIOMARKER SERVICES

Catalog Number	Description
960060	Cytokine Storm / Cytokine Release Syndrome
960013	Macrophage / Monocyte Inflammation Stimulation
960011	T Cell Inflammation Stimulation
960031	TLR1/2 Activation
960032	TLR2/6 Activation
960033	TLR4 Activation
960041	TLR5 Activation
960034	TLR7/8 Activation
960035	TLR9 Activation
960090	Autoimmune Activation Model / TH17 Panel

Catalog Number	Description
960110	PBMC Proliferation
960012	Macrophage / Monocyte Inflammation Inhibition
960010	T Cell Inflammation Inhibition
960036	TLR1/2 Inhibition
960037	TLR2/6 Inhibition
960038	TLR4 Inhibition
960042	TLR5 Inhibition
960039	TLR7/8 Inhibition
960040	TLR9 Inhibition
960043	STING Activation Assay (THP-1 cells)

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