### Innate Immunity

#### Cytokines
- IL1β
- IL6
- IL8
- IFNβ
- CXCL10 (IP-10)

#### Inflammation markers
- Histamine
- PGE2
- LTC4
- LTB4

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**Toll-like receptor** signaling pathway

**STING** signaling pathway

*Cisbio cell signaling assays available*
**NK / NKT CELLS**

**Cytokines**
- GM-CSF (CSF2)
- (CSF2)
- IFNγ
- IL10
- TNFα

**Markers**
- Granzyme B
- Perforin-1

**IMMUNE CHECKPOINTS**

Biochemical assays to identify checkpoint blockers
T CELL SIGNALING

Pathway monitoring in primary T cells upon CD3 stimulation
(300,000 cells per well, 5 min CD3 stimulation)

Cytokine panel on PBMCs

Dexamethasone inhibitory effect on CD3/CD28 stimulated PBMCs

IFNγ, IL2, IL4, IL5, IL10, TNFα
TGFβ1, CCL5, CCL3
(Cisbio cytokine assays available)
CELLULAR PHOSPHORYLATION ASSAYS

- Cell-based assays
- Compatible with cell lysates, tissue extracts, iPS cells, 3D cell models
- Sample volume 16 µL
- More sensitive than Western Blot
- < 1 hr bench time
- Pharmacological studies of pathway inhibitors, agonists, and allosteric modulators

CELL-BASED CYTOKINE ASSAYS

- Sample volume 16 µL
- < 2 hrs bench time
- Validated on PBMCs
- Compatible with Cisbio 96-well low-volume plate
- Allow multiple cytokine measurements from 1 sample

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