

# InnoPlex™ Multiplex Immunoassays

Convenient Bead-Based Flow Cytometric Solutions

# InnoCytO

## WHY INNOCYTO FOR MULTIPLEX?

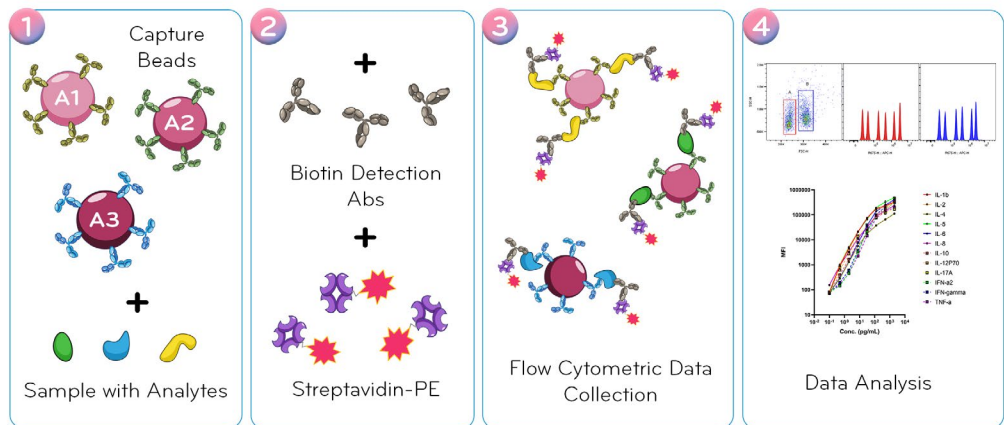
InnoCytO empowers innovation in immunology, oncology, cell biology, and beyond through high-quality, reproducible reagents that align with your project needs. Designed for researchers who demand accuracy and efficiency, our new multiplex immunoassays offer a transformative approach to cytokine detection. Each assay kit is crafted with the highest standards, ensuring robust performance and reproducibility. Provided at an exceptional value, our assays will accelerate your discovery.

## HOW IT WORKS

InnoPlex™ assays use microspheres (beads) with unique signatures (differing fluorescence intensities of APC and bead size), each coated with a capture antibody specific to a different analyte, allowing many targets to be measured simultaneously in one sample.

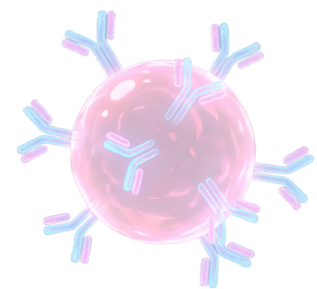
After the sample proteins bind to the beads, biotinylated detection antibodies and a fluorescent reporter (streptavidin-PE) generate a signal proportional to the amount of each analyte.

A flow cytometer identifies each bead population and quantifies the reporter fluorescence to determine analyte concentrations from a standard curve.



## PRODUCT FEATURES

- Simultaneous quantification of up to 15 targets in a single sample
- Minimum sample volume per test: 12.5 µl serum/plasma, 25 µl culture supernatant (or less depending on dilution)
- Simple protocol
- Sensitivities at fg/ml for most analytes
- Wide detection range standard curve - up to 4 logs
- Optimized antibody pairs
- Compatible with most flow cytometers
- Customizable



If the pre-configured kits are not quite what you are looking for, contact us regarding custom panels. Our scientific team can rapidly develop custom combinations to meet your requirements.

[www.innocyto.com/web/support/contact.php](http://www.innocyto.com/web/support/contact.php)

[www.innocyto.com](http://www.innocyto.com)

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One Sample.  
Multiple Answers.  
Infinite Possibilities.

## Panels for Human Cytokine Quantification

Target	Cytokine 1, 12-plex	Cytokine 1, 7-plex	Cytokine 1, 6-plex	Cytokine 2	Th1 Cytokine	Th2 Cytokine	Th1/Th2 Cytokine	Th9/Th17/Th22 Cytokine	Th Cytokine	Inflammation Cytokine	NK/CD8 Cytokine	Virus Reactive Cytokine	Cytokine Release Syndrome	Cytokine Release Syndrome 2
Granzyme A				•							•			
Granzyme B				•							•			
IFN- $\alpha$ 2	•									•		•		
IFN- $\beta$				•								•		
IFN- $\gamma$	•	•	•		•		•	•	•	•	•	•	•	•
IL-1 $\beta$	•									•		•	•	
IL-2	•	•			•		•		•		•	•	•	
IL-4	•	•	•			•	•		•		•			
IL-5	•					•	•		•		•			
IL-6	•	•	•		•	•	•	•	•	•	•	•	•	•
IL-8	•									•	•	•	•	
IL-9				•				•	•					
IL-10	•	•	•		•	•	•	•	•	•	•	•	•	•
IL-12p70	•									•		•	•	
IL-13				•		•	•		•					
IL-17A	•	•	•					•	•	•	•		•	•
IL-18				•						•		•	•	
IL-22				•				•	•					
IL-23				•						•				•
IL-27				•										
MCP-1				•						•		•	•	•
Soluble CD25				•						•			•	•
TGF- $\beta$ 1				•								•		
TNF $\alpha$	•	•	•		•	•	•	•	•	•	•	•	•	•
Cat.#	750001	750301	750401	750501	750101	751001	751101	751201	751301	750601	750701	750901	751401	751501

## Alzheimer's Disease Biomarkers

Target	High Sensitivity Human AD Biomarker Panel
A $\beta$ 1-40	•
A $\beta$ 1-42	•
$\alpha$ -Synuclein	•
pTau-181	•
Total Tau	•
Cat.#	750201

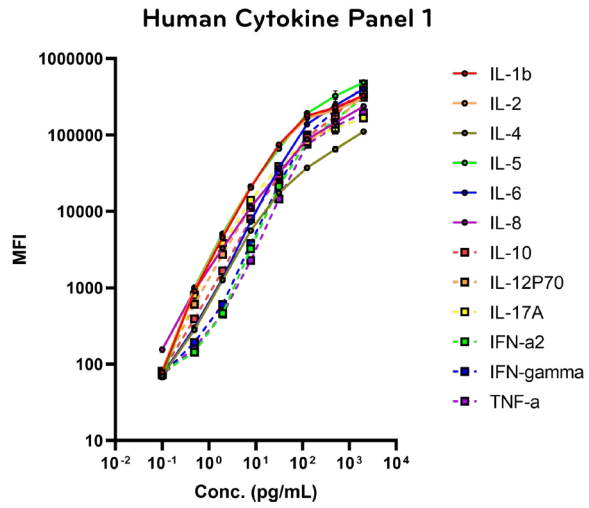
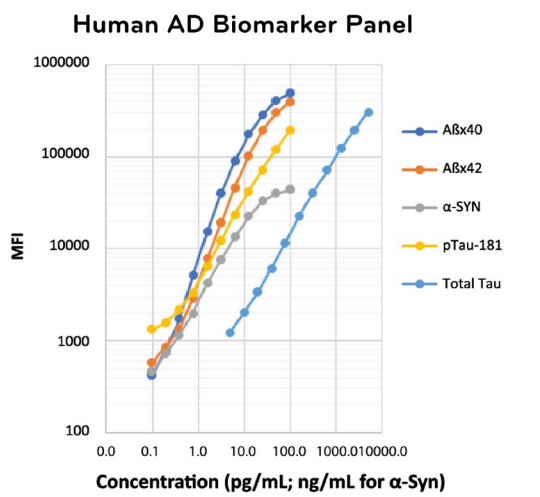
## Human Soluble Receptors

Target	Human Soluble Receptors Panel
sCD25	•
sCD40L	•
sCD130	•
sTREM-1	•
Cat.#	751601

# Panels for Mouse Cytokine Quantification

Target	Th Cytokine	Th1 Cytokine	Th2 Cytokine	Th1/Th2 Cytokine	Th9/Th17/Th22 Cytokine	Inflammation Cytokine	Virus Reactive Cytokine	Cytokine Release Syndrome	Cytokine Release Syndrome Core
GM-CSF						•		•	•
IFN-β						•	•		
IFN-γ	•	•		•	•	•	•	•	•
IL-1α						•		•	
IL-1β						•	•	•	•
IL-2	•	•		•			•	•	
IL-4	•		•	•				•	
IL-5	•		•	•				•	
IL-6	•	•	•	•	•	•	•	•	•
IL-9	•				•				
IL-10	•	•	•	•	•	•	•	•	•
IL-12p70						•	•	•	•
IL-13	•		•	•				•	
IL-17A	•				•	•		•	
IL-17F	•				•				
IL-22	•				•				
IL-23						•			
IL-27						•			
MCP-1						•	•	•	•
TGF-β1							•		
TNFα	•	•	•	•	•	•	•	•	•
Cat.#	760001	760101	760201	760301	760401	760501	760601	760701	760801

# Sample Data



## Accessory Products

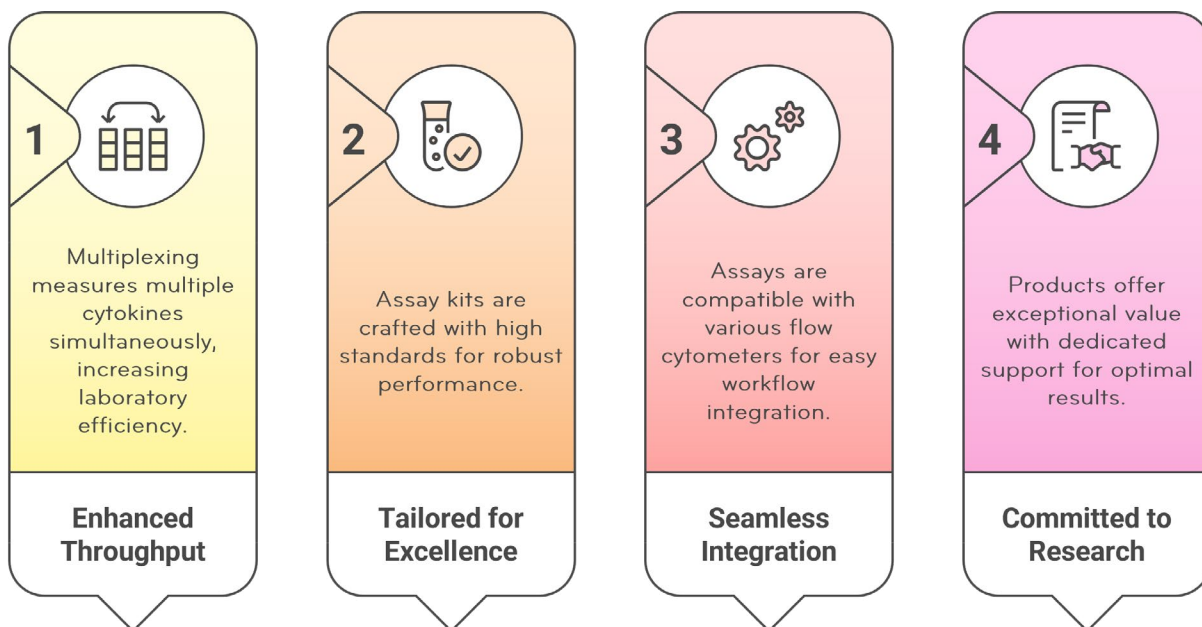
Cat. #	Product Description
780301	InnoPlex™ Magnetic Bead A1, 1 x 10 <sup>8</sup> /ml
780401	InnoPlex™ Magnetic Bead A2, 1 x 10 <sup>8</sup> /ml
780501	InnoPlex™ Magnetic Bead A3, 1 x 10 <sup>8</sup> /ml
780601	InnoPlex™ Magnetic Bead A4, 1 x 10 <sup>8</sup> /ml
780701	InnoPlex™ Magnetic Bead A5, 1 x 10 <sup>8</sup> /ml
780801	InnoPlex™ Magnetic Bead A6, 1 x 10 <sup>8</sup> /ml
780901	InnoPlex™ Magnetic Bead B1, 1 x 10 <sup>8</sup> /ml
781001	InnoPlex™ Magnetic Bead B2, 1 x 10 <sup>8</sup> /ml
781101	InnoPlex™ Magnetic Bead B3, 1 x 10 <sup>8</sup> /ml

Cat. #	Product Description
781201	InnoPlex™ Magnetic Bead B4, 1 x 10 <sup>8</sup> /ml
781301	InnoPlex™ Magnetic Bead B5, 1 x 10 <sup>8</sup> /ml
781401	InnoPlex™ Magnetic Bead B6, 1 x 10 <sup>8</sup> /ml
Kit Dependent	InnoPlex™ Detection Antibody (kit-specific)
780201	InnoPlex™ SA-PE
Kit Dependent	InnoPlex™ Lyophilized Kit Standard
Kit Dependent	InnoPlex™ Lyophilized Quality Control Samples
780001	InnoPlex™ Assay Buffer
780101	InnoPlex™ Wash Buffer, 20X

## DESIGNED FOR BIOMEDICAL RESEARCH

- General Immunology
- Cancer Immunology
- Therapeutic Monitoring
- Inflammation
- Toxicology
- Neuroinflammation and Neurodegeneration
- Virology
- Infection, Sepsis, and Tissue Repair
- Allergy and Asthma

## BENEFITS OF OUR MULTIPLEX SOLUTIONS



Contact us to get started:

[www.innocyto.com/web/support/request-quote.php](http://www.innocyto.com/web/support/request-quote.php)

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