

ANTIGENIX AMERICA Inc.

**Super-X Plex™ Flow Cytometry Assay
Multi-Plex Panel (16-Plex)**

Product Information Summary

**Human Cytokine
(16-Plex panel #1)**

**Cat No. HMX479
96 tests**

DESCRIPTION: Multi-Plex (16 Plex) Flow Cytometry Assay Panel
- components to measure **human: IL-1 Beta, IL-2, IL-4, IL-5,
IL-6, IL-8, IL-9, IL-10, IL-12p70, IL-17A, IL-18, IL-21,
IL-22, TNFa, IFN Gamma, and GM-CSF simultaneously-** in human
Serum, Plasma, Cell Culture Supernatant or Cell Lysate
samples.

NOTE: ORDER a Sample Diluent Kit (to match sample type):

Human Serum/Plasma (**DKH100**) or
Cell Culture Supernatant (**DKC100**) or
Cell Lysate (**DKL100**)

Cell Lysate Prep Buffer (**CLP200**) or Sample Dilution Buffer
(to dilute high concentration samples) -(**SDL200**)
also available.

(STARTER Kit Included)

CONTENTS:

Antibody Conjugated Beads 4.7 mL (1X) (**Pre-Mixed , 16-Plex**)
Detection Antibody - Biotin 1.25 mL (2X) (**Pre-Mixed , 16-Plex**)
Detection Antibody Diluent 1.25 mL (2X)

Standard: One Vial of lyophilized standard containing
Pre-mixed multiplexed analytes -above- (see vial insert) -
single standard vial can be used for one or more assays
indicated.

STARTER Kit: (Human Panel)

Reading Buffer 4.0 mL (10X)
Wash Buffer 15.0 mL (10X)
Filter plate with lid (96 wells)
Plate Sealers (4)
Streptavidin-PE 2.5 mL (1X)
PCR 8 tube strip 2 strips

STORAGE: Store Refrigerated (4-8° C. - in dark)

CAUTION: Contains Sodium Azide - (0.05%) - Dispose contents
carefully, flush with water to avoid reaction with lead drain
lines.

PROTOCOL: Refer to Kit protocol provided with assay ordered.
 Follow protocol section for Multi-Plex panels.
 Can be downloaded at www.antigenix.com

Assay Specifications:

| | Sensitivities (pg/mL) | Range: (pg/mL) |
|--------------------|------------------------------|-----------------------|
| Bead Specs: | | |
| S4P2 | Human IL1-beta < 5.0 | 10.0 - 5,000 |
| S4P3 | Human IL-10 < 2.0 | 5.0 - 5,000 |
| S4P4 | Human IL-6 < 5.0 | 10.0 - 5,000 |
| S4P6 | Human TNFa < 1.0 | 2.0 - 1,000 |
| S4P7 | Human IL-2 < 3.0 | 10.0 - 2,000 |
| S4P9 | Human IGNg < 3.0 | 10.0 - 2,000 |
| S4P10 | Human IL-9 < 5.0 | 10.0 - 5,000 |
| S4P12 | Human IL-12p70 < 3.0 | 10.0 - 2,000 |
| S5P2 | Human IL-8 < 1.0 | 1.0 - 1,000 |
| S5P3 | Human GM-CSF < 5.0 | 10.0 - 5,000 |
| S5P4 | Human IL-4 < 1.0 | 3.0 - 1,000 |
| S5P5 | Human IL-5 < 2.0 | 5.0 - 2,000 |
| S5P7 | Human IL-17A < 3.0 | 10.0 - 1,000 |
| S5P8 | Human IL-18 < 5.0 | 10.0 - 5,000 |
| S5P9 | Human IL-21 < 5.0 | 10.0 - 5,000 |
| S5P11 | Human IL-22 < 3.0 | 10.0 - 2,000 |

Sample Size: 15.0 uL per test
 X-Reactivity within panel : negligible
 Intra Assay CV: <10% Inter Assay CV <20%
 Recovery 70-130% standard dose

NOTE: Extra Standard set can be ordered to run partial plates.-Inquire

**RESEARCH USE ONLY
 NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.**

WWW.ANTIGENIX.com 1-800-558-1008