

ANTIGENIX AMERICA Inc.

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

Product Information Summary

**Human Cytokine
(16-Plex panel #2)**

**Cat No. HMX162
96 tests**

DESCRIPTION: Multi-Plex (16 Plex) Flow Cytometry Assay Panel
- components to measure **human: IL-1 Beta, IL-1 RA, IL-4,
IL-6, IL-10, IL-12p70, IL-17A, IL-18, IL-21, IL-22, TNF α ,
IFN Gamma, IFN Alpha2, GM-CSF, CXCL2, and MCP-1
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:		
S5P3	Human GM-CSF < 5.0	10.0 - 5,000
S4P6	Human TNFa < 1.0	2.0 - 1,000
S4P2	Human IL-1 Beta < 5.0	10.0 - 5,000
S4P9	Human IFNg < 3.0	10.0 - 2,000
S4P12	Human IL-12p70 < 3.0	10.0 - 2,000
S5P9	Human IL-18 < 5.0	10.0 - 5,000
S5P4	Human IL-4 < 1.0	3.0 - 1,000
S4P4	Human IL-6 < 5.0	10.0 - 5,000
S5P12	Human IL-21 < 5.0	10.0 - 5,000
S5P7	Human IL-17A < 3.0	10.0 - 1,000
S4P8	Human IL-1RA < 20.0	40.0 - 15,000
S5P11	Human IFN Alpha2 < 5.0	10.0 - 5,000
S4P3	Human IL-10 < 2.0	5.0 - 5,000
S5P6	Human CXCL2 < 10.0	20.0 - 5,000
S4P11	Human MCP-1 < 2.0	5.0 - 5,000
S4P7	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