

**ANTIGENIX AMERICA Inc.**

**Super-X Plex™ Flow Cytometry Assay  
Multi-Plex Panel ( 14-Plex)**

Product Information Summary

**Human CD8 + T-Cell Cytokines ( 14-Plex)**

**Cat No.HMX874 96 tests**

**DESCRIPTION:** Multi-Plex ( 14-Plex) Flow Cytometry Assay Panel - components to measure **human: IL-2, IL-4, IL-5, IL-6, IL-10, IL-13, IL-15, IFN Gamma, TNF Alpha , Granzyme B, MIP-1 Alpha , MIP-1 Beta, sFasL, 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 5.0 mL (1X) (Pre-Mixed , 14-Plex)**  
**Detection Antibody - Biotin 1.5 mL (2X) (Pre-Mixed , 14-Plex)**  
**Detection Antibody Diluent 1.5 mL (2X)**

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

**STARTER Kit: ( Human Panel)**

Reading Buffer 5.0 mL (10X)  
Wash Buffer 15.0 mL (10X)  
Filter plate with lid ( 96 wells)  
Plate Sealers (6)  
Streptavidin-PE 3.0 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 Multi-Plex panels section of protocol.

**Assay Specifications:**

<b>Bead Specs:</b>	<b>Sensitivities (pg/mL)</b>	<b>Range: (pg/mL)</b>
S4P2	Human MIP-1 alpha < 2.0	5.0 - 2,000
S4P3	Human TNFa < 1.0	2.0 - 1,000
S4P7	Human IL-2 < 3.0	10.0 - 2,000
S4P8	Human MIP-1 beta < 5.0	10.0 - 5,000
S4P9	Human IFN Gamma < 3.0	10.0 - 2,000
S4P10	Human Granzyme B <10.0	20.0 - 5,000
S4P11	Human IL-15 < 5.0	10.0 - 5,000
S5P2	Human FasL < 2.0	5.0 - 2,000
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
S5P6	Human IL-6 < 5.0	10.0 - 5,000
S5P10	Human IL-10 < 2.0	5.0 - 5,000
S5P12	Human IL-13 < 5.0	10.0 - 5,000

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

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

[WWW.ANTIGENIX.com](http://WWW.ANTIGENIX.com) 1-800-558-1008