

**ANTIGENIX AMERICA Inc.**

**Super-X Plex Flow Cytometry Assay  
Multi-Plex Panel ( 3-Plex)**

Product Information Summary

**Human T-Helper Cytokine**

**Cat No. HMX461 96 tests  
( 3-Plex- Panel 3) (Th1/Th2)**

**DESCRIPTION:** Multi-Plex (3-Plex) Flow Cytometry Assay Panel - components to measure **human: IL-10, IFN gamma, and TNF Alpha 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 , 3-Plex**)  
**Detection Antibody - Biotin** 1.5 mL (2X) (**Pre-Mixed , 3-Plex**)  
**Detection Antibody Diluent** 1.5 mL (2X)

**Standard:** One vial of lyophilized standard containing  
**Pre-mixed multiplexed** analytes ( **3-Plex**) ( 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 panel section in protocol.

**Assay Specifications:**

| <b>Bead Specs:</b> | <b>Sensitivities (pg/mL)</b> | <b>Range: (pg/mL)</b> |
|--------------------|------------------------------|-----------------------|
| S4P3               | Human TNF Alpha < 1.0        | 2.0 - 1,000           |
| S4P9               | Human IFN gamma < 3.0        | 10.0 - 2,000          |
| S5P10              | Human IL-10 < 2.0            | 5.0 - 5,000           |

Sample Size: 15.0 uL per test

**X-Reactivity** within panel : **negligable**

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