

**ANTIGENIX AMERICA Inc.**

**Super-X Plex Flow Cytometry Assay  
Multi-Plex Panel ( 4-Plex)**

Product Information Summary

**Human T-Helper Cytokine Cat No. HMX473  
( 4-Plex- Panel 2) (Th1/Th2) 96 tests**

**DESCRIPTION:** Multi-Plex ( 4-Plex) Flow Cytometry Assay Panel - components to measure **human: IL-4, 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 , 4-Plex)**  
**Detection Antibody - Biotin 1.5 mL (2X) (Pre-Mixed , 4-Plex)**  
**Detection Antibody Diluent 1.5 mL (2X)**

**Standard:** One vial of lyophilized standard containing  
**Pre-mixed multiplexed** analytes ( **4-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
S5P4	Human IL-4 < 1.0	3.0 - 1,000
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.**

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