ANTIGENIX AMERICA Inc.

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

Product Information Summary

Human T-Helper Cytokine
Cat No. HMX474 96 tests
(4-Plex- Panel 1) (Th1/Th2)

DESCRIPTION: Multi-Plex (4-Plex) Flow Cytometry Assay Panel - components to measure **human: IL-4, IL-6, 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:

Bead Specs:	Sensitivities (pg/mL)	Range: (pg/mL)
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
S5P6	Human IL-6 < 5.0	10.0 - 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 1-800-558-1008